Appendix C

Groundwater Sample Information Sheets

GROUND WATER SAMPLING
FIELD DATA FORM

Site: Genuine Parts
Location: Indianapolis, IN
Job #: 2125641B

Well #: IW-1
Sample I.D. #: IW1-02151
Sample Time: 15:00
Sample Date: 2/15/11

Personnel Present During Sampling:

Well/Purging Information:

Purging method: bladder pump
Sampling method: Low-Flow
Tubing material: poly
Screen Length: _____ ft.
Top of well screen: _____ ft. below measuring point
Pump intake set at: _____ ft. below measuring point
Casing radius: 2 in.
Well material: PVC / #316 SS / Galv. Steel
Other: _____

1) Well depth (from top of measuring point) (1) _____ (ft)
2) Depth to water prior to purging (2) 12.20 (ft)
3) Length of water column in well: #1 - #2 = (3) _____ (ft)
4) Volume of water standing in well (4) _____ (gal)
multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.
(Required for well volume purging approach only)
5) Number of purge volumes required (5) _____
6) Maximum volume to be purged: #4 x #5 = (6) _____ (gal)

Bladder Pump Controller Settings (if used): Recharge time: 10 (sec) Discharge time: 5 (sec) Pressure: 16 (psi) Cycles per minute: 4

Stabilization:

Time	Depth to Water (ft)	Volume Pumped (L)	Pumping Rate (mL/m)	pH	Conductance (mS/cm)	Turbidity (NTU)	Temp (°C)	DO (mg/L)	ORP (mV)
14:25	12.31'	2.0	200	6.53	1.46	0.0	10.33	1.93	-88
14:30	12.31'	3.0	200	6.46	1.46	0.0	10.71	1.11	-99
14:35	12.31'	4.0	200	6.46	1.45	0.0	10.77	0.89	-105
14:40	12.31'	5.0	200	6.47	1.45	0.0	10.82	0.79	-110
14:45	12.31'	6.0	200	6.48	1.44	0.0	10.87	0.55	-115
14:50	12.31'	7.0	200	6.49	1.44	0.0	10.86	0.54	-117
14:55	12.31'	8.0	200	6.49	1.43	0.0	10.88	0.54	-120

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	120mL	VIAL	3	HCL
TOC	250 mL	Amber	1	H2SO4

Comments/Observations/Weather Conditions: Clear, mid 30's. Ice melting some causing puddles
Purge start: 14:15
Purge stop: 15:00

Horiba U52: U57890X MP10: 2417
Water level: 59184 compressor: 21927

Low Flow Sampling: Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of ± 0.1 pH, ±3% conductivity, ±10% temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

GROUND WATER SAMPLING
FIELD DATA FORM

Site: Genuine Parts
Location: Indianapolis, IN
Job #: 2125641B

Well #: IW-2
Sample I.D. #:
Sample Time: 15:10
Sample Date: 2-17-11

Personnel Present During Sampling:

Well/Purging Information:

Purging method:
Sampling method: Low-Flow
Tubing material:
Screen Length: ft.
Top of well screen; ft. below measuring point
Pump intake set at: ft. below measuring point
Casing radius: in.
Well material: PVC / #316 SS / Galv. Steel
Other:

1) Well depth (from top of measuring point) (1) (ft)
2) Depth to water prior to purging (2) (ft)
3) Length of water column in well: #1 - #2 = (3) (ft)
4) Volume of water standing in well (4) (gal)
multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.
(Required for well volume purging approach only)
5) Number of purge volumes required (5)
6) Maximum volume to be purged: #4 x #5 = (6) (gal)

Bladder Pump Controller Settings (if used): Recharge time: 10 (sec) Pressure: -- (psi)
Discharge time: 5 (sec) Cycles per minute: 4

Stabilization:

Time	Depth to Water (ft)	Volume Pumped (_____)	Pumping Rate (_____)	pH	Conductance (_____)	Turbidity (NTU)	Temp (°C)	DO (mg/L)	ORP (mV)
14:37	13.60		200	7.05	0.496	0.0	12.53	3.03	91
14:42	13.60		200	6.94	0.566	0.0	12.09	1.53	101
14:47	13.60		200	6.97	0.633	0.0	12.05	1.09	100
14:52	13.60		200	7.01	0.740	0.0	12.06	0.37	99
14:57	13.60		200	7.03	0.781	0.0	12.14	0.11	98
15:00	13.61		200	7.03	0.791	0.0	12.15	0.0	98
15:03	13.60		200	7.04	0.800	0.0	12.17	0.0	98
15:06	13.59		200	7.03	0.805	0.0	12.14	0.0	95

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	20mL	40 mL Amber	3	HCl

Comments/Observations/Weather Conditions: Purge Start: 14:32 Stability Reached: 15:06
IW-2 Sampled: 1510

Low Flow Sampling: Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of ± 0.1 pH, ±3% conductivity, ±10% temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

GROUND WATER SAMPLING
FIELD DATA FORM

Site: Genuine Parts
Location: Indianapolis, IN
Job #: 2125641B

Well #: MW-10-IR
Sample I.D. #: MW10IR-021611
Sample Time: 14:20
Sample Date: 2/16/11

Personnel Present During Sampling:

Well/Purging Information:
Purging method: bladder pump
Sampling method: Low-Flow
Tubing material: Poly
Screen Length: _____ ft.
Top of well screen; _____ ft. below measuring point
Pump intake set at: _____ ft. below measuring point
Casing radius: 2 in.
Well material: PVC / #316 SS / Galv. Steel
Other: _____

1) Well depth (from top of measuring point) (1) _____ (ft)
2) Depth to water prior to purging (2) 16.05 (ft)
3) Length of water column in well: #1 - #2 = (3) _____ (ft)
4) Volume of water standing in well (4) _____ (gal)
multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.
(Required for well volume purging approach only)
5) Number of purge volumes required (5) _____
6) Maximum volume to be purged: #4 x #5 = (6) _____ (gal)

Bladder Pump Controller Settings (if used): Recharge time: 10 (sec) Pressure: 18 (psi)
Discharge time: 5 (sec) Cycles per minute: 4

Stabilization:

Time	Depth to Water (ft)	Volume Pumped (L)	Pumping Rate (mL/m)	pH	Conductance (mS/cm)	Turbidity (NTU)	Temp (°C)	DO (mg/L)	ORP (mV)
13:35	16.07	1.0	200	7.13	0.950	44.4	12.36	3.77	73
13:40	16.07	2.0	200	7.05	0.919	29.4	12.03	3.27	78
13:50	16.07	4.0	200	6.96	0.912	16.6	11.85	2.72	84
13:55	16.07	5.0	200	6.93	0.911	13.7	11.83	2.63	85
14:00	16.07	6.0	200	6.92	0.911	6.5	11.81	2.25	87
14:05	16.07	7.0	200	6.91	0.911	8.2	11.73	2.24	88
14:10	16.07	8.0	200	6.91	0.911	5.9	11.72	2.24	89
14:15	16.07	9.0	200	6.91	0.910	3.9	11.73	2.23	90

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	120ML	VIAL	3	HCL

Comments/Observations/Weather Conditions: SUNNY; LOW 50's.
Purge start: 13:30
Purge stop: 14:20

Horiba U52: U5T890X MP10: 2417
Water level: 59184 Compressor: 21927

Low Flow Sampling: Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of ± 0.1 pH, ±3% conductivity, ±10% temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

GROUND WATER SAMPLING
FIELD DATA FORM

Site: Genuine Parts
Location: Indianapolis, IN
Job #: 2125641B

Well #: MW-132R
Sample I.D. #:
Sample Time: 13:20
Sample Date: 2-16-11

Personnel Present During Sampling:

Well/Purging Information:

Purging method:
Sampling method: Low-Flow
Tubing material:
Screen Length: ft.
Top of well screen; ft. below measuring point
Pump intake set at: ft. below measuring point
Casing radius: in.
Well material: PVC / #316 SS / Galv. Steel
Other:

1) Well depth (from top of measuring point) (1) (ft)
2) Depth to water prior to purging (2) (ft)
3) Length of water column in well: #1 - #2 = (3) (ft)
4) Volume of water standing in well (4) (gal)
multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.
(Required for well volume purging approach only)
5) Number of purge volumes required (5)
6) Maximum volume to be purged: #4 x #5 = (6) (gal)

Bladder Pump Controller Settings (if used): Recharge time: 10 (sec) Pressure: -- (psi)
Discharge time: 5 (sec) Cycles per minute: 4

Stabilization:

Time	Depth to Water (ft)	Volume Pumped (_____)	Pumping Rate (_____)	pH	Conductance (_____)	Turbidity (NTU)	Temp (°C)	DO (mg/L)	ORP (mV)
13:05	11.67		220	7.18	1.08	0.0	12.00	4.50	130
13:08	11.68		220	7.18	1.08	0.0	11.56	3.88	134
13:12	11.68		220	7.18	1.08	0.0	11.46	3.69	135
13:15	11.68		220	7.19	1.08	0.0	11.38	3.50	136
13:18	11.68		220	7.20	1.09	0.0	11.37	3.40	136

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	120mL	40mL Amber	3	HCl

Comments/Observations/Weather Conditions:

Low Flow Sampling: Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of ± 0.1 pH, ±3% conductivity, ±10% temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

GROUND WATER SAMPLING
FIELD DATA FORM

Site: Genuine Parts
Location: Indianapolis, IN
Job #: 2125641B

Well #: MW-133R
Sample I.D. #: MW133R-021411
Sample Time: 17:50
Sample Date: 2/14/11

Personnel Present During Sampling:

Well/Purging Information:

Purging method: bladder pump
Sampling method: Low-Flow
Tubing material: Poly
Screen Length: _____ ft.
Top of well screen; _____ ft. below measuring point
Pump intake set at: _____ ft. below measuring point
Casing radius: 2 in.
Well material: PVC / #316 SS / Galv. Steel
Other: _____

1) Well depth (from top of measuring point) (1) _____ (ft)
2) Depth to water prior to purging (2) 9.93 (ft)
3) Length of water column in well: #1 - #2 = (3) _____ (ft)
4) Volume of water standing in well (4) _____ (gal)
multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.
(Required for well volume purging approach only)
5) Number of purge volumes required (5) _____
6) Maximum volume to be purged: #4 x #5 = (6) _____ (gal)

Bladder Pump Controller Settings (if used): Recharge time: 10 (sec) Pressure: 45 (psi)
Discharge time: 5 (sec) Cycles per minute: 4

Stabilization:

Time	Depth to Water (ft)	Volume Pumped (L)	Pumping Rate (mL/M)	pH	Conductance (ms/cm)	Turbidity (NTU)	Temp (°C)	DO (mg/L)	ORP (mV)
16:55	9.94	2.0	200	7.30	1.62	272	9.55	1.54	88
17:00	9.94	3.0	200	7.16	1.59	175	9.65	1.44	93
17:05	9.94	4.0	200	7.10	1.58	130	9.68	1.39	95
17:10	9.94	5.0	200	7.07	1.57	86.9	9.76	1.38	96
17:15	9.94	6.0	200	7.05	1.56	71.0	9.77	1.34	97
17:20	9.94	7.0	200	7.04	1.56	50.1	9.80	1.32	98
17:25	9.94	8.0	200	7.03	1.56	49.7	9.80	1.28	98
17:30	9.94	9.0	200	7.03	1.56	49.9	9.83	1.24	98
17:35	9.94	10.0	200	7.02	1.55	40.6	9.83	1.15	97
17:40	9.94	11.0	200	7.02	1.55	40.4	9.84	1.08	97
17:45	9.94	12.0	200	7.02	1.55	39.8	9.87	1.00	96

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	120 mL	VIAL	3	HCL

Comments/Observations/Weather Conditions: cloudy, 43°F, breezy.
purge start: 16:45
purge end: 17:50
Horiba 452: 457890X MP10: 2417
WATER level: 451540X compressor: 21927

Low Flow Sampling: Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of ± 0.1 pH, ±3% conductivity, ±10% temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

GROUND WATER SAMPLING
FIELD DATA FORM

Site: Genuine Parts
Location: Indianapolis, IN
Job #: 2125641B

Well #: MW-146
Sample I.D. #:
Sample Time: 14:15
Sample Date: 2-16-11

Personnel Present During Sampling:

Well/Purging Information:

Purging method:
Sampling method: Low-Flow
Tubing material:
Screen Length: ft.
Top of well screen; ft. below measuring point
Pump intake set at: ft. below measuring point
Casing radius: in.
Well material: PVC / #316 SS / Galv. Steel
Other:

1) Well depth (from top of measuring point) (1) (ft)
2) Depth to water prior to purging (2) (ft)
3) Length of water column in well: #1 - #2 = (3) (ft)
4) Volume of water standing in well (4) (gal)
multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.
(Required for well volume purging approach only)
5) Number of purge volumes required (5)
6) Maximum volume to be purged: #4 x #5 = (6) (gal)

Bladder Pump Controller Settings (if used): Recharge time: 10 (sec) Pressure: -- (psi)
Discharge time: 5 (sec) Cycles per minute: 4

Stabilization:

Time	Depth to Water (ft)	Volume Pumped (_____)	Pumping Rate (_____)	pH	Conductance (_____)	Turbidity (NTU)	Temp (°C)	DO (mg/L)	ORP (mV)
14:04	9.92		240	7.17	0.791	0.0	14.60	0.40	123
14:07	9.91		240	7.15	0.792	0.0	14.35	0.0	122
14:10	9.92		240	7.15	0.793	0.0	14.12	0.0	119
14:13	9.91		240	7.14	0.794	0.0	13.92	0.0	114

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	120 mL	40 mL Amber	3	HCl

Comments/Observations/Weather Conditions:

Low Flow Sampling: Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of ± 0.1 pH, ±3% conductivity, ±10% temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

GROUND WATER SAMPLING
FIELD DATA FORM

Site: Genuine Parts
Location: Indianapolis, IN
Job #: 2125641B

Well #: MW-147AR
Sample I.D. #: MW147AR-021511
Sample Time: 09:00
Sample Date: 2/15/11

Personnel Present During Sampling:

Well/Purging Information:

Purging method: bladder pump
Sampling method: Low-Flow
Tubing material: poly
Screen Length: _____ ft.
Top of well screen; _____ ft. below measuring point
Pump intake set at: _____ ft. below measuring point
Casing radius: 2 in.
Well material: PE / #316 SS / Galv. Steel
Other: _____

1) Well depth (from top of measuring point) (1) _____ (ft)
2) Depth to water prior to purging (2) 11.73 (ft)
3) Length of water column in well: #1 - #2 = (3) _____ (ft)
4) Volume of water standing in well (4) _____ (gal)
multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.
(Required for well volume purging approach only)
5) Number of purge volumes required (5) _____
6) Maximum volume to be purged: #4 x #5 = (6) _____ (gal)

Bladder Pump Controller Settings (if used): Recharge time: 10 (sec) Pressure: 20 (psi)
Discharge time: 5 (sec) Cycles per minute: 4

Stabilization:

Time	Depth to Water (ft)	Volume Pumped (L)	Pumping Rate (mL/min)	pH	Conductance (mS/cm)	Turbidity (NTU)	Temp (°C)	DO (mg/L)	ORP (mV)
8:20	11.75	3.0	200	5.86	2.12	342	11.47	1.33	-72
8:25	11.75	4.0	200	6.33	2.07	197	12.12	1.11	-104
8:30	11.75	5.0	200	6.43	2.05	103	12.29	0.98	-111
8:35	11.75	6.0	200	6.49	2.05	40.4	12.34	0.90	-115
8:40	11.75	7.0	200	6.52	2.04	21.3	12.33	0.85	-117
8:45	11.75	8.0	200	6.54	2.03	22.0	12.32	0.79	-117
8:50	11.75	9.0	200	6.57	2.02	20.0	12.40	0.73	-119
8:55	11.75	10.0	200	6.59	2.00	19.1	12.39	0.71	-119

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	120 mL	VIAL	3	HCL

Comments/Observations/Weather Conditions:
Purge start: 8:05
Purge Stop: 09:00

Horiba U52: U51890X MP10: 2417
Water level: U51540X Compressor: 21927

Low Flow Sampling: Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of ± 0.1 pH, ±3% conductivity, ±10% temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

GROUND WATER SAMPLING
FIELD DATA FORM

Site: Genuine Parts
Location: Indianapolis, IN
Job #: 2125641B

Well #: MW-148R
Sample I.D. #:
Sample Time: 1640
Sample Date: 2-17-11

Personnel Present During Sampling:

Well/Purging Information:

Purging method:
Sampling method: Low-Flow
Tubing material:
Screen Length: ft.
Top of well screen; ft. below measuring point
Pump intake set at: ft. below measuring point
Casing radius: in.
Well material: PVC / #316 SS / Galv. Steel
Other:

1) Well depth (from top of measuring point) (1) (ft)
2) Depth to water prior to purging (2) (ft)
3) Length of water column in well: #1 - #2 = (3) (ft)
4) Volume of water standing in well (4) (gal)
multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.
(Required for well volume purging approach only)
5) Number of purge volumes required (5)
6) Maximum volume to be purged: #4 x #5 = (6) (gal)

Bladder Pump Controller Settings (if used): Recharge time: 10 (sec) Pressure: -- (psi)
Discharge time: 5 (sec) Cycles per minute: 4

Stabilization:

Time	Depth to Water (ft)	Volume Pumped (_____)	Pumping Rate (_____)	pH	Conductance (_____)	Turbidity (NTU)	Temp (°C)	DO (mg/L)	ORP (mV)
15:59	11.41		200	7.01	1.60	14.0	13.56	0.0	97
16:04	11.40		200	6.93	1.60	12.4	13.40	0.0	91
16 +4 min 16:09	11.40		200	6.94	1.58	9.8	13.38	0.0	88
16:14	11.42		200	6.94	1.55	6.2	13.30	0.0	85
16:19	11.41		200	6.94	1.55	4.2	13.25	0.0	84
16:25	11:40		200	6.93	1.54	2.8	13.19	0.0	82
16:30	11.42		200	6.94	1.53	1.2	13.14	0.0	81
16:33	11.41		200	6.94	1.53	1.3	13.13	0.0	81
16:36	11.41		200	6.94	1.54	1.2	13.13	0.0	81

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	120mL	40mL Amber	3	HCl

Comments/Observations/Weather Conditions: Purge Start: 15:52 Stability Reached: 4 min 1636

Low Flow Sampling: Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of ± 0.1 pH, ±3% conductivity, ±10% temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

GROUND WATER SAMPLING
FIELD DATA FORM

Site: Genuine Parts
Location: Indianapolis, IN
Job #: 2125641B

Well #: MW-148R-D
Sample I.D. #:
Sample Time: 1644
Sample Date: 3-10-11

Personnel Present During Sampling:

Well/Purging Information:

Purging method:
Sampling method: Low-Flow
Tubing material:
Screen Length: ft.
Top of well screen; ft. below measuring point
Pump intake set at: ft. below measuring point
Casing radius: in.
Well material: PVC / #316 SS / Galv. Steel
Other:

1) Well depth (from top of measuring point) (1) (ft)
2) Depth to water prior to purging (2) (ft)
3) Length of water column in well: #1 - #2 = (3) (ft)
4) Volume of water standing in well (4) (gal)
multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.
(Required for well volume purging approach only)
5) Number of purge volumes required (5)
6) Maximum volume to be purged: #4 x #5 = (6) (gal)

Bladder Pump Controller Settings (if used): Recharge time: 10 (sec) Pressure: -- (psi)
Discharge time: 5 (sec) Cycles per minute: 4

Stabilization:

Time	Depth to Water (ft)	Volume Pumped (_____)	Pumping Rate (_____)	pH	Conductance (_____)	Turbidity (NTU)	Temp (°C)	DO (mg/L)	ORP (mV)
*									

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	120 mL	40 mL Amber	3	HCl

Comments/Observations/Weather Conditions: * See Field Sheet for MW-148R

Low Flow Sampling: Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of ± 0.1 pH, ±3% conductivity, ±10% temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

GROUND WATER SAMPLING
FIELD DATA FORM

Site: Genuine Parts
Location: Indianapolis, IN
Job #: 2125641B

Well #: MW-150
Sample I.D. #: MW150-021511 / D
Sample Time: 10:50
Sample Date: 2/15/11

Personnel Present During Sampling:

Well/Purging Information:

Purging method: bladder pump
Sampling method: Low-Flow
Tubing material: poly
Screen Length: ____ ft.
Top of well screen; ____ ft. below measuring point
Pump intake set at: ____ ft. below measuring point
Casing radius: 2 in.
Well material: PVC / #316 SS / Galv. Steel
Other: ____

1) Well depth (from top of measuring point) (1) ____ (ft)
2) Depth to water prior to purging (2) 13.87 (ft)
3) Length of water column in well: #1 - #2 = (3) ____ (ft)
4) Volume of water standing in well (4) ____ (gal)
multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.
(Required for well volume purging approach only)
5) Number of purge volumes required (5) ____
6) Maximum volume to be purged: #4 x #5 = (6) ____ (gal)

Bladder Pump Controller Settings (if used): Recharge time: 10 (sec) Pressure: 20 (psi)
Discharge time: 5 (sec) Cycles per minute: 4

Stabilization:

Time	Depth to Water (ft)	Volume Pumped (L)	Pumping Rate (mL/m)	pH	Conductance (mS/cm)	Turbidity (NTU)	Temp (°C)	DO (mg/L)	ORP (mV)
10:00	13.90'	1.0	200	6.98	1.00	0.0	9.37	2.66	57
10:05	13.90'	2.0	200	6.89	0.986	0.0	9.98	2.05	55
10:10	13.90'	3.0	200	6.87	0.978	0.0	10.33	1.67	60
10:15	13.90'	4.0	200	6.86	0.977	0.0	10.32	1.63	60
10:20	13.90'	5.0	200	6.86	0.974	0.0	10.56	1.50	63
10:25	13.90'	6.0	200	6.84	0.975	0.0	10.63	1.24	67
10:30	13.90'	7.0	200	6.85	0.978	0.0	10.73	1.11	68
10:35	13.90'	8.0	200	6.85	0.978	0.0	10.81	1.04	69
10:40	13.90'	9.0	200	6.85	0.977	0.0	10.79	1.03	71
10:45	13.90'	10.0	200	6.84	0.977	0.0	10.74	1.00	72

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	240 mL	VIAL	6	HCL

Comments/Observations/Weather Conditions: Clear 27°F ice on ground collecting Dup.
MW-150 is West of MW-200
Purge start: 09:55
Purge stop: 10:50
Horiba U52-US7890X MP10-2417
water level- US1540X compressor- 21927

Low Flow Sampling: Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of ± 0.1 pH, ±3% conductivity, ±10% temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

GROUND WATER SAMPLING
FIELD DATA FORM

Site: Genuine Parts
Location: Indianapolis, IN
Job #: 2125641B

Well #: MW-151
Sample I.D. #: MW151-021511
Sample Time: 12:00
Sample Date: 2/15/11

Personnel Present During Sampling:

Well/Purging Information:

Purging method: bladder pump
Sampling method: Low-Flow
Tubing material: Poly
Screen Length: ____ ft.
Top of well screen; ____ ft. below measuring point
Pump intake set at: ____ ft. below measuring point
Casing radius: 2 in.
Well material: PVC / #316 SS / Galv. Steel
Other:

1) Well depth (from top of measuring point) (1) ____ (ft)
2) Depth to water prior to purging (2) 14.49 (ft)
3) Length of water column in well: #1 - #2 = (3) ____ (ft)
4) Volume of water standing in well (4) ____ (gal)
multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.
(Required for well volume purging approach only)
5) Number of purge volumes required (5) ____
6) Maximum volume to be purged: #4 x #5 = (6) ____ (gal)

Bladder Pump Controller Settings (if used):

Recharge time: 10 (sec)
Discharge time: 5 (sec)
Pressure: 18 (psi)
Cycles per minute: 4

Stabilization:

Time	Depth to Water (ft)	Volume Pumped (L)	Pumping Rate (MLM)	pH	Conductance (mS/cm)	Turbidity (NTU)	Temp (°C)	DO (mg/L)	ORP (mV)
11:20	14.49'	2.0	200	6.86	0.985	66.9	11.00	1.60	83
11:25	14.49'	3.0	200	6.82	0.984	20.4	11.48	1.10	71
11:30	14.49'	4.0	200	6.82	0.984	13.7	11.56	0.93	69
11:35	14.49'	50	200	6.81	0.983	7.5	11.56	0.81	68
11:40	14.49'	6.0	200	6.81	0.983	1.0	11.59	0.72	67
11:45	14.49'	7.0	200	6.81	0.983	0.0	11.64	0.68	66
11:50	14.49	8.0	200	6.81	0.982	0.0	11.65	0.67	65
11:55	14.49'	9.0	200	6.80	0.982	0.0	11.63	0.65	66

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	120 mL	VIAL	3	HCL

Comments/Observations/Weather Conditions: Clear 27° ice on ground
Purge start: 11:10
Purge stop:

Horiba U52-457890X MP10-2417 water level: 59184
~~water level 4516(?)~~ GM compressor-21927

Low Flow Sampling: Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of ± 0.1 pH, ±3% conductivity, ±10% temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

GROUND WATER SAMPLING
FIELD DATA FORM

Site: Genuine Parts
Location: Indianapolis, IN
Job #: 2125641B

Well #: MW-152
Sample I.D. #:
Sample Time: 15:18
Sample Date: 2-16-11

Personnel Present During Sampling:

Well/Purging Information:

Purging method:
Sampling method: Low-Flow
Tubing material:
Screen Length: ft.
Top of well screen; ft. below measuring point
Pump intake set at: ft. below measuring point
Casing radius: in.
Well material: PVC / #316 SS / Galv. Steel
Other:

1) Well depth (from top of measuring point) (1) (ft)
2) Depth to water prior to purging (2) (ft)
3) Length of water column in well: #1 - #2 = (3) (ft)
4) Volume of water standing in well (4) (gal)
multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.
(Required for well volume purging approach only)
5) Number of purge volumes required (5)
6) Maximum volume to be purged: #4 x #5 = (6) (gal)

Bladder Pump Controller Settings (if used): Recharge time: 10 (sec) Pressure: -- (psi)
Discharge time: 5 (sec) Cycles per minute: 4

Stabilization:

Time	Depth to Water (ft)	Volume Pumped ( )	Pumping Rate ( )	pH	Conductance ( )	Turbidity (NTU)	Temp (°C)	DO (mg/L)	ORP (mV)
15:00 ~~14:49~~ CMF	14.05		240	7.39	0.567	141	15.20	0.65	139
15:03	14.06		240	7.38	0.583	88.6	15.21	0.0	124
15:08	14.06		240	7.37	0.543	44.0	15.29	0.0	122
15:11	14.06		240	7.38	0.541	43.8	15.35	0.0	121
15:14	14.07		240	7.38	0.539	43.1	15.44	0.0	120

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	120 mL	40 mL Amber	3	HCl

Comments/Observations/Weather Conditions:

Low Flow Sampling: Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of ± 0.1 pH, ±3% conductivity, ±10% temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

GROUND WATER SAMPLING
FIELD DATA FORM

Site: Genuine Parts
Location: Indianapolis, IN
Job #: 2125641B

Well #: MW-153
Sample I.D. #:
Sample Time: 12109
Sample Date: 2-16-11

Personnel Present During Sampling:

Well/Purging Information:

Purging method:
Sampling method: Low-Flow
Tubing material:
Screen Length: ft.
Top of well screen; ft. below measuring point
Pump intake set at: ft. below measuring point
Casing radius: in.
Well material: PVC / #316 SS / Galv. Steel
Other:

1) Well depth (from top of measuring point) (1) (ft)
2) Depth to water prior to purging (2) (ft)
3) Length of water column in well: #1 - #2 = (3) (ft)
4) Volume of water standing in well (4) (gal)
multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.
(Required for well volume purging approach only)
5) Number of purge volumes required (5)
6) Maximum volume to be purged: #4 x #5 = (6) (gal)

Bladder Pump Controller Settings (if used): Recharge time: 10 (sec) Pressure: -- (psi)
Discharge time: 5 (sec) Cycles per minute: 4

Stabilization:

Time	Depth to Water (ft)	Volume Pumped (_____)	Pumping Rate (_____)	pH	Conductance (_____)	Turbidity (NTU)	Temp (°C)	DO (mg/L)	ORP (mV)
11:46	12~~3~~.23		200	7.02	1.81	7.0	11.96	1.16	139
11:51	12~~3~~.25		200	7.05	1.85	1.6	12.10	0.00	134
11:56	12.24		200	7.05	1.86	0.4	12.19	0.0	131
11:59	12.23		200	7.05	1.86	0.0	12.21	0.0	130
12:02	12.23		200	7.05	1.86	0.0	12.23	0.0	128
12:05	12.23		200	7.06	1.86	0.0	12.23	0.0	125

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	120 mL	40 mL Amber	3	HCl

Comments/Observations/Weather Conditions:

Low Flow Sampling: Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of ± 0.1 pH, ±3% conductivity, ±10% temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

GROUND WATER SAMPLING
FIELD DATA FORM

Site: Genuine Parts
Location: Indianapolis, IN
Job #: 2125641B

Well #: MW-156
Sample I.D. #:
Sample Time: 16:28
Sample Date: 2-16-11

Personnel Present During Sampling:

Well/Purging Information:

Purging method:
Sampling method: Low-Flow
Tubing material:
Screen Length: ft.
Top of well screen; ft. below measuring point
Pump intake set at: ft. below measuring point
Casing radius: in.
Well material: PVC / #316 SS / Galv. Steel
Other:

1) Well depth (from top of measuring point) (1) (ft)
2) Depth to water prior to purging (2) (ft)
3) Length of water column in well: #1 - #2 = (3) (ft)
4) Volume of water standing in well (4) (gal)
multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.
(Required for well volume purging approach only)
5) Number of purge volumes required (5)
6) Maximum volume to be purged: #4 x #5 = (6) (gal)

Bladder Pump Controller Settings (if used): Recharge time: 10 (sec) Pressure: -- (psi)
Discharge time: 5 (sec) Cycles per minute: 4

Stabilization:

Time	Depth to Water (ft)	Volume Pumped (_____)	Pumping Rate (_____)	pH	Conductance (_____)	Turbidity (NTU)	Temp (°C)	DO (mg/L)	ORP (mV)
15:58	12.86		240	7.51	0.668	0.0	12.86	5.34	127
16:03	12.87		240	7.47	0.680	0.0	11.90	4.15	130
16:08	12.87		240	7.45	0.705	0.0	11.61	3.62	131
16:13	12.87		240	7.45	0.739	0.0	11.50	2.94	131
16:18	12.86		240	7.44	0.751	0.0	11.43	2.50	132
16:21	12.86		240	7.43	0.757	0.0	11.40	2.38	131
16:24	12.86		240	7.43	0.761	0.0	11.36	2.34	131

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	120 mL	40mL Amber	3	HCl

Comments/Observations/Weather Conditions:

Low Flow Sampling: Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of ± 0.1 pH, ±3% conductivity, ±10% temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

GROUND WATER SAMPLING
FIELD DATA FORM

Site: Genuine Parts
Location: Indianapolis, IN
Job #: 2125641B

Well #: MW-160
Sample I.D. #: MW160-021611
Sample Time: 11:55
Sample Date: 02/16/11

Personnel Present During Sampling:

Well/Purging Information:

Purging method: bladder pump
Sampling method: Low-Flow
Tubing material: poly
Screen Length: ____ ft.
Top of well screen; ____ ft. below measuring point
Pump intake set at: ____ ft. below measuring point
Casing radius: 2 in.
Well material: PVC / #316 SS / Galv. Steel
Other: ____

1) Well depth (from top of measuring point) (1) ____ (ft)
2) Depth to water prior to purging (2) 3.79 (ft)
3) Length of water column in well: #1 - #2 = (3) ____ (ft)
4) Volume of water standing in well (4) ____ (gal)
multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.
(Required for well volume purging approach only)
5) Number of purge volumes required (5) ____
6) Maximum volume to be purged: #4 x #5 = (6) ____ (gal)

Bladder Pump Controller Settings (if used): Recharge time: 10 (sec) Pressure: 15 (psi)
Discharge time: 5 (sec) Cycles per minute: 4

Stabilization:

Time	Depth to Water (ft)	Volume Pumped (L)	Pumping Rate (mL/m)	pH	Conductance (mS/cm)	Turbidity (NTU)	Temp (°C)	DO (mg/L)	ORP (mV)
11:15	3.80'	2.0	200	7.08	2.18	167	13.83	1.24	-122
11:20	3.80'	3.0	200	7.01	2.20	115	13.78	0.86	-124
11:25	3.80'	4.0	200	6.97	2.21	73.5	13.75	0.68	-125
11:30	3.80'	5.0	200	6.95	2.22	50.4	13.75	0.55	-127
11:35	3.80'	6.0	200	6.94	2.22	31.8	13.78	0.40	-127
11:40	3.80'	7.0	200	6.93	2.22	25.1	13.80	0.34	-128
11:45	3.80'	8.0	200	6.93	2.21	25.6	13.79	0.34	-128
11:50	3.80'	9.0	200	6.92	2.21	24.7	13.80	0.34	-128

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	120mL	VIAL	3	HCL

Comments/Observations/Weather Conditions: SUNNY, MID 40's slight breeze
Purge start: 11:05
Purge stop: 11:55

Horiba U52: U578908X MP10-2417
Water level: 59184 COMPRESSOR: 21927

Low Flow Sampling: Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of ± 0.1 pH, ±3% conductivity, ±10% temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

GROUND WATER SAMPLING
FIELD DATA FORM

Site: Genuine Parts
Location: Indianapolis, IN
Job #: 2125641B

Well #: 161
Sample I.D. #:
Sample Time: 10:52
Sample Date: 2-16-11

Personnel Present During Sampling:

Well/Purging Information:

Purging method:
Sampling method: Low-Flow
Tubing material:
Screen Length: 10 ft.
Top of well screen; ft. below measuring point
Pump intake set at: ft. below measuring point
Casing radius: in.
Well material: PVC / #316 SS / Galv. Steel
Other:

1) Well depth (from top of measuring point) (1) (ft)
2) Depth to water prior to purging (2) (ft)
3) Length of water column in well: #1 - #2 = (3) (ft)
4) Volume of water standing in well (4) (gal)
multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.
(Required for well volume purging approach only)
5) Number of purge volumes required (5)
6) Maximum volume to be purged: #4 x #5 = (6) (gal)

Bladder Pump Controller Settings (if used): Recharge time: 10 (sec) Pressure: -- (psi)
Discharge time: 5 (sec) Cycles per minute: 4

Stabilization:

Time	Depth to Water (ft)	Volume Pumped (_____)	Pumping Rate (_____)	pH	Conductance (_____)	Turbidity (NTU)	Temp (°C)	DO (mg/L)	ORP (mV)
10:30	5.38		200	6.06	~~mS~~ 0.770	0.0	11.97	6.14	187
10:33	5.39		200	6.97	0.779	0.0	8.94	4.40	151
10:38	5.38		200	7.12	0.771	0.0	8.48	4.42	141
10:43	5.38		200	7.14	0.770	0.0	8.43	4.45	140
10:48	5.39		200	7.17	0.770	0.0	8.29	4.55	138

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	120mL	40mL Amber	3	HCl

Comments/Observations/Weather Conditions:

Low Flow Sampling: Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of ± 0.1 pH, ±3% conductivity, ±10% temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

GROUND WATER SAMPLING
FIELD DATA FORM

Site: Genuine Parts
Location: Indianapolis, IN
Job #: 2125641B

Well #: MW-163
Sample I.D. #:
Sample Time: 17:22
Sample Date: 2-16-11

Personnel Present During Sampling:

Well/Purging Information:

Purging method:
Sampling method: Low-Flow
Tubing material:
Screen Length: ft.
Top of well screen: ft. below measuring point
Pump intake set at: ft. below measuring point
Casing radius: in.
Well material: PVC / #316 SS / Galv. Steel
Other:

1) Well depth (from top of measuring point) (1) (ft)
2) Depth to water prior to purging (2) (ft)
3) Length of water column in well: #1 - #2 = (3) (ft)
4) Volume of water standing in well (4) (gal)
multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.
(Required for well volume purging approach only)
5) Number of purge volumes required (5)
6) Maximum volume to be purged: #4 x #5 = (6) (gal)

Bladder Pump Controller Settings (if used): Recharge time: 10 (sec) Pressure: -- (psi)
Discharge time: 5 (sec) Cycles per minute: 4

Stabilization:

Time	Depth to Water (ft)	Volume Pumped (_____)	Pumping Rate (_____)	pH	Conductance (_____)	Turbidity (NTU)	Temp (°C)	DO (mg/L)	ORP (mV)
17:08	12.11		240	7.04	0.887	0.0	11.83	0.0	127
17:13	12.16		200	6.96	0.900	0.1	11.53	0.0	110
17:18	12.21		200	6.95	0.905	0.0	11.42	0.0	102

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	120mL	40mL Amber	3	HCl

Comments/Observations/Weather Conditions:

Low Flow Sampling: Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of ± 0.1 pH, ±3% conductivity, ±10% temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

GROUND WATER SAMPLING
FIELD DATA FORM

Site: Genuine Parts
Location: Indianapolis, IN
Job #: 2125641B

Well #: MW-164
Sample I.D. #: MW164-021511
Sample Time: 13:10
Sample Date: 2/15/11

Personnel Present During Sampling:

Well/Purging Information:

Purging method: bladder pump
Sampling method: Low-Flow
Tubing material: poly
Screen Length: ____ ft.
Top of well screen; ____ ft. below measuring point
Pump intake set at: ____ ft. below measuring point
Casing radius: 2 in.
Well material: PVC / #316 SS / Galv. Steel
Other: ____

1) Well depth (from top of measuring point) (1) ____ (ft)
2) Depth to water prior to purging (2) 20.27 (ft)
3) Length of water column in well: #1 - #2 = (3) ____ (ft)
4) Volume of water standing in well (4) ____ (gal)
multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.
(Required for well volume purging approach only)
5) Number of purge volumes required (5) ____
6) Maximum volume to be purged: #4 x #5 = (6) ____ (gal)

Bladder Pump Controller Settings (if used): Recharge time: 10 (sec) Discharge time: 5 (sec) Pressure: 18 (psi) Cycles per minute: 4

Stabilization:

Time	Depth to Water (ft)	Volume Pumped (L)	Pumping Rate (mL/m)	pH	Conductance mS/cm	Turbidity (NTU)	Temp (°C)	DO (mg/L)	ORP (mV)
12:30	20.27	1.0	200	6.95	1.11	99.6	11.46	1.68	103
12:35	20.27	2.0	200	6.89	1.11	58.5	12.29	1.00	98
12:40	20.27	3.0	200	6.85	1.11	14.6	12.59	0.78	92
12:45	20.27	4.0	200	6.85	1.12	8.4	12.66	0.66	91
12:50	20.27	5.0	200	6.84	1.11	0.0	12.69	0.52	89
12:55	20.27	6.0	200	6.84	1.11	0.0	12.75	0.38	89
13:00	20.27	7.0	200	6.84	1.11	0.0	12.80	0.36	88
13:05	20.27	8.0	200	6.84	1.10	0.0	12.80	0.36	87

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	120 mL	VIAL	3	HCL

Comments/Observations/Weather Conditions: Clear, Low 30's, Ice on ground.
Purge start: 12:25

Horiba U52: U57890X MP10: 2417
Water level: 59184 Compressor: 21927

Low Flow Sampling: Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of ± 0.1 pH, ±3% conductivity, ±10% temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

GROUND WATER SAMPLING
FIELD DATA FORM

Site: Genuine Parts
Location: Indianapolis, IN
Job #: 2125641B

Well #: MW-1665
Sample I.D. #: MW1665-021511
Sample Time: 17:25
Sample Date: 2/15/11

Personnel Present During Sampling:

Well/Purging Information:

Purging method: bladder Pump
Sampling method: Low-Flow
Tubing material: Poly
Screen Length: _____ ft.
Top of well screen; _____ ft. below measuring point
Pump intake set at: _____ ft. below measuring point
Casing radius: 2 in.
Well material: PVC / #316 SS / Galv. Steel
Other: _____

1) Well depth (from top of measuring point) (1) _____ (ft)
2) Depth to water prior to purging (2) 15.19' (ft)
3) Length of water column in well: #1 - #2 = (3) _____ (ft)
4) Volume of water standing in well (4) _____ (gal)
multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.
(Required for well volume purging approach only)
5) Number of purge volumes required (5) _____
6) Maximum volume to be purged: #4 x #5 = (6) _____ (gal)

Bladder Pump Controller Settings (if used): Recharge time: 10 (sec) Pressure: 18 (psi)
Discharge time: 5 (sec) Cycles per minute: 4

Stabilization:

Time	Depth to Water (ft)	Volume Pumped (L)	Pumping Rate (mL/m)	pH	Conductance (mS/cm)	Turbidity (NTU)	Temp (°C)	DO (mg/L)	ORP (mV)
16:50	15.19'	2.0	200	7.19	1.14	21.8	11.37	1.20	-33
16:55	15.19'	3.0	200	7.06	1.06	0.0	12.13	0.64	-44
17:00	15.19'	4.0	200	7.05	1.05	0.0	12.24	0.50	-48
17:05	15.19'	5.0	200	7.03	1.05	0.0	12.35	0.47	-50
17:10	15.19'	6.0	200	7.02	1.05	0.0	12.38	0.45	-50
17:15	15.19'	7.0	200	7.01	1.05	0.0	12.43	0.45	-51
17:20	15.19'	8.0	200	7.01	1.05	0.0	12.50	0.44	-51

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	120 mL	VIAL	3	HCL

Comments/Observations/Weather Conditions: clear, mid 30's, breezy
Purge start: 16:40
purge stop: 17:25
Horiba U52: 4578908X MP10: 2419
Water level: 59184 COMPRESSOR: 21927

Low Flow Sampling: Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of ± 0.1 pH, ±3% conductivity, ±10% temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

GROUND WATER SAMPLING
FIELD DATA FORM

Site: Genuine Parts
Location: Indianapolis, IN
Job #: 2125641B

Well #: MW-165D
Sample I.D. #: MW-165D
Sample Time: 15:35
Sample Date: 2/16/11

Personnel Present During Sampling:

Well/Purging Information:
Purging method: bladder pump
Sampling method: Low-Flow
Tubing material: poly
Screen Length: _____ ft.
Top of well screen; _____ ft. below measuring point
Pump intake set at: _____ ft. below measuring point
Casing radius: 2 in.
Well material: PVC / #316 SS / Galv. Steel
Other: _____

1) Well depth (from top of measuring point) (1) _____ (ft)
2) Depth to water prior to purging (2) 14.09 (ft)
3) Length of water column in well: #1 - #2 = (3) _____ (ft)
4) Volume of water standing in well (4) _____ (gal)
multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.
(Required for well volume purging approach only)
5) Number of purge volumes required (5) _____
6) Maximum volume to be purged: #4 x #5 = (6) _____ (gal)

Bladder Pump Controller Settings (if used): Recharge time: 10 (sec) Pressure: 28 (psi)
Discharge time: 5 (sec) Cycles per minute: 4

Stabilization:

Time	Depth to Water (ft)	Volume Pumped (L)	Pumping Rate mL/m	pH	Conductance mS/cm	Turbidity (NTU)	Temp (°C)	DO (mg/L)	ORP (mV)
15:00	14.11	1.0	200	7.21	1.37	245	8.73	2.11	-138
15:05	14.11	2.0	200	7.18	1.42	138	8.68	1.44	-140
15:10	14.11	3.0	200	7.15	1.47	80.1	8.63	1.00	-142
15:15	14.11	4.0	200	7.14	1.50	46.5	8.60	0.66	-144
15:20	14.11	5.0	200	7.13	1.51	46.3	8.49	0.60	-146
15:25	14.11	6.0	200	7.13	1.52	45.4	8.57	0.60	-147
15:30	14.11	7.0	200	7.12	1.52	46.6	8.55	0.59	-148

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	120mL	VIAL	3	HCL

Comments/Observations/Weather Conditions: SUNNY MID 50'S
purge start: 14:55
purge stop: 16:35
Horiba U52: 457890X MP10: 2417
Water Kurl: 59184 COMPRESSOR: 2192.

Low Flow Sampling: Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of ± 0.1 pH, ±3% conductivity, ±10% temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

GROUND WATER SAMPLING
FIELD DATA FORM

Site: Genuine Parts
Location: Indianapolis, IN
Job #: 2125641B

Well #: MW-1655
Sample I.D. #: MW1655-021511
Sample Time: 16:20
Sample Date: 2/15/11

Personnel Present During Sampling:

Well/Purging Information:

Purging method: bladder pump
Sampling method: Low-Flow
Tubing material: Poly
Screen Length: _____ ft.
Top of well screen; _____ ft. below measuring point
Pump intake set at: _____ ft. below measuring point
Casing radius: 2 in.
Well material: PVC / #316 SS / Galv. Steel
Other: _____

1) Well depth (from top of measuring point) (1) _____ (ft)
2) Depth to water prior to purging (2) 14.24' (ft)
3) Length of water column in well: #1 - #2 = (3) _____ (ft)
4) Volume of water standing in well (4) _____ (gal)
multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.
(Required for well volume purging approach only)
5) Number of purge volumes required (5) _____
6) Maximum volume to be purged: #4 x #5 = (6) _____ (gal)

Bladder Pump Controller Settings (if used): Recharge time: 10 (sec) Pressure: 18 (psi)
Discharge time: 5 (sec) Cycles per minute: 4

Stabilization:

Time	Depth to Water (ft)	Volume Pumped (L)	Pumping Rate (mL/m)	pH	Conductance (mS/cm)	Turbidity (NTU)	Temp (°C)	DO (mg/L)	ORP (mV)
15:35	14.24'	1.0	200	6.95	3.11	0.3	5.71	1.88	-99
15:40	14.24'	2.0	200	7.01	3.31	0.0	4.77	1.11	-105
15:45	14.24'	3.0	200	7.03	3.35	0.0	4.55	1.01	-107
15:50	14.24'	4.0	200	7.04	3.36	0.0	4.34	0.78	-112
16:55	14.24'	5.0	200	7.04	3.36	0.0	4.30	0.44	-114
16:00	14.24'	6.0	200	7.04	3.36	0.0	4.22	0.43	-114
16:05	14.24'	7.0	200	7.04	3.36	0.0	4.18	0.40	-114
16:10	14.24'	8.0	200	7.03	3.36	0.0	4.16	0.40	-114
16:15	14.24'	9.0	200	7.03	3.36	0.0	4.15	0.39	-114

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	120 mL	VIAL	3	HCL

Comments/Observations/Weather Conditions: Clear, mid 30's, ice melting
Purge start: 15:30
Purge Stop: 16:20

Horiba 452: 457890X MP10: 2417
Water level: 59184 Compressor: 21927

Low Flow Sampling: Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of ± 0.1 pH, ±3% conductivity, ±10% temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

GROUND WATER SAMPLING
FIELD DATA FORM

Site: Genuine Parts
Location: Indianapolis, IN
Job #: 2125641B

Well #: MW-166D
Sample I.D. #: MW-166D / D
Sample Time: 16:50
Sample Date: 2/16/11

Personnel Present During Sampling:

Well/Purging Information:
Purging method: bladder pump
Sampling method: Low-Flow
Tubing material:
Screen Length: ft.
Top of well screen: ft. below measuring point
Pump intake set at: ft. below measuring point
Casing radius: in.
Well material: PVC / #316 SS / Galv. Steel
Other:

1) Well depth (from top of measuring point) (1) (ft)
2) Depth to water prior to purging (2) 14.96 (ft)
3) Length of water column in well: #1 - #2 = (3) (ft)
4) Volume of water standing in well (4) (gal)
multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.
(Required for well volume purging approach only)
5) Number of purge volumes required (5)
6) Maximum volume to be purged: #4 x #5 = (6) (gal)

Bladder Pump Controller Settings (if used): Recharge time: 10 (sec) Discharge time: 5 (sec) Pressure: 30 (psi) Cycles per minute: 4

Stabilization:

Time	Depth to Water (ft)	Volume Pumped (L)	Pumping Rate (mL/m)	pH	Conductance (mS/cm)	Turbidity (NTU)	Temp (°C)	DO (mg/L)	ORP (mV)
16:05	14.98'	1.0	200	7.14	1.14	309	13.65	1.80	-153
16:10	14.98'	2.0	200	7.15	1.19	186	13.58	0.90	-160
16:15	14.98'	3.0	200	7.15	1.20	89.6	13.56	0.71	-163
16:20	14.98'	4.0	200	7.16	1.20	47.5	13.51	0.49	-164
16:25	14.98'	5.0	200	7.16	1.20	25.3	13.53	0.33	-165
16:30	14.98'	6.0	200	7.16	1.21	26.1	13.52	0.32	-166
16:35	14.98	7.0	200	7.16	1.21	20.2	13.51	0.32	-167
16:40	14.98	8.0	200	7.16	1.21	19.3	13.49	0.31	-167
16:45	14.98	8.0	200	7.16	1.21	20.1	13.48	0.31	-167

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	240 mL	VIAL	6	HCL

Comments/Observations/Weather Conditions: collecting Dup.
Purge start: 16:00
Purge Stop:
Horiba U52: 4578908X MPIO: 2417
Water level: 59184 COMPRESSOR: 21927

Low Flow Sampling: Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of ± 0.1 pH, ±3% conductivity, ±10% temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

GROUND WATER SAMPLING
FIELD DATA FORM

Site: Genuine Parts
Location: Indianapolis, IN
Job #: 2125641B

Well #: MW-1675
Sample I.D. #: MW1675-021611
Sample Time: 08:45
Sample Date: 2/16/11

Personnel Present During Sampling:

Well/Purging Information:

Purging method: bladder Pump
Sampling method: Low-Flow
Tubing material: Poly
Screen Length: _____ ft.
Top of well screen; _____ ft. below measuring point
Pump intake set at: _____ ft. below measuring point
Casing radius: 2 in.
Well material: PVC / #316 SS / Galv. Steel
Other: _____

1) Well depth (from top of measuring point) (1) _____ (ft)
2) Depth to water prior to purging (2) 18.94 (ft)
3) Length of water column in well: #1 - #2 = (3) _____ (ft)
4) Volume of water standing in well (4) _____ (gal)
multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.
(Required for well volume purging approach only)
5) Number of purge volumes required (5) _____
6) Maximum volume to be purged: #4 x #5 = (6) _____ (gal)

Bladder Pump Controller Settings (if used): Recharge time: 10 (sec) Pressure: 18 (psi)
Discharge time: 5 (sec) Cycles per minute: 4

Stabilization:

Time	Depth to Water (ft)	Volume Pumped (L)	Pumping Rate (mL/m)	pH	Conductance mS/cm	Turbidity (NTU)	Temp (°C)	DO (mg/L)	ORP (mV)
07:55	18.95'	1.0	200	6.23	1.75	70.1	12.65	1.84	24
08:00	18.95'	2.0	200	6.32	1.72	55.7	12.84	1.50	16
08:05	18.95'	3.0	200	6.36	1.71	21.2	12.95	1.28	18
08:10	18.95'	4.0	200	6.38	1.70	12.7	12.98	1.05	20
08:15	18.95'	5.0	200	6.41	1.70	0.0	13.06	0.85	21
8:20	18.95'	6.0	200	6.43	1.71	3.0	13.07	0.72	22
8:25	18.95'	7.0	200	6.44	1.71	3.8	13.09	0.72	23
8:30	18.95'	8.0	200	6.45	1.71	2.2	13.11	0.71	23
8:35	18.95'	9.0	200	6.48	1.72	2.0	13.14	0.71	24
8:40	18.95'	10.0	200	6.48	1.72	2.2	13.10	0.71	24

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	120mL	VIAL	3	HCL

Comments/Observations/Weather Conditions: partly cloudy, mid to low 40's
Purge start: 07:50
Purge Stop:

Horiba U52: U57890X MP10: 2417
Water level: 59184 Compressor: 21927

Low Flow Sampling: Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of ± 0.1 pH, ±3% conductivity, ±10% temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

GROUND WATER SAMPLING
FIELD DATA FORM

Site: Genuine Parts
Location: Indianapolis, IN
Job #: 2125641B

Well #: MW-167D
Sample I.D. #:
Sample Time: 1058
Sample Date: 2-18-11

Personnel Present During Sampling:

Well/Purging Information:

Purging method:
Sampling method: Low-Flow
Tubing material:
Screen Length: ft.
Top of well screen; ft. below measuring point
Pump intake set at: ft. below measuring point
Casing radius: in.
Well material: PVC / #316 SS / Galv. Steel
Other:

1) Well depth (from top of measuring point) (1) (ft)
2) Depth to water prior to purging (2) (ft)
3) Length of water column in well: #1 - #2 = (3) (ft)
4) Volume of water standing in well (4) (gal)
multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.
(Required for well volume purging approach only)
5) Number of purge volumes required (5)
6) Maximum volume to be purged: #4 x #5 = (6) (gal)

Bladder Pump Controller Settings (if used): Recharge time: 10 (sec) Pressure: -- (psi)
Discharge time: 5 (sec) Cycles per minute: 4

Stabilization:

Time	Depth to Water (ft)	Volume Pumped (_____)	Pumping Rate (_____)	pH	Conductance (_____)	Turbidity (NTU)	Temp (°C)	DO (mg/L)	ORP (mV)
1000	18.38		240	7.16	0.732	83.6	16.91	0.0	-19
1005	18.38		240	7.28	1.00	57.7	14.60	0.0	-39
1010	18.38		240	7.21	1.01	45.9	14.56	0.0	-45
1015	18.38		240	7.21	1.00	39.6	14.58	0.0	-47
1020	18.38		240	7.19	0.997	32.0	14.50	0.0	-53
1025	18.38		240	7.19	0.990	22.2	14.39	0.0	-55
1030	18.37		240	7.18	0.985	17.0	14.26	0.0	-58
1035	18.36		240	7.19	0.981	12.7	14.14	0.0	-59
1040	18.38		240	7.18	0.976	8.5	14.09	0.0	-61
1045	18.36		240	7.18	0.977	3.8	14.11	0.0	-62
1048	18.37		240	7.18	0.975	0.0	14.06	0.0	-64
1051	18.36		240	7.18	0.972	0.0	14.05	0.0	-64
1054	18.37		240	7.19	0.971	0.0	14.00	0.0	-65

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	120mL	40mL Amber	3	HCl

Comments/Observations/Weather Conditions: Purge Started: 0940 Stability Reached: 1054

Low Flow Sampling: Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of ± 0.1 pH, ±3% conductivity, ±10% temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

GROUND WATER SAMPLING
FIELD DATA FORM

Site: Genuine Parts
Location: Indianapolis, IN
Job #: 2125641B

Well #: MW-169S
Sample I.D. #:
Sample Time: 10:40
Sample Date: 2-17-11

Personnel Present During Sampling:

Well/Purging Information:

Purging method:
Sampling method: Low-Flow
Tubing material:
Screen Length: ft.
Top of well screen; ft. below measuring point
Pump intake set at: ft. below measuring point
Casing radius: in.
Well material: PVC / #316 SS / Galv. Steel
Other:

1) Well depth (from top of measuring point) (1) (ft)
2) Depth to water prior to purging (2) (ft)
3) Length of water column in well: #1 - #2 = (3) (ft)
4) Volume of water standing in well (4) (gal)
multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.
(Required for well volume purging approach only)
5) Number of purge volumes required (5)
6) Maximum volume to be purged: #4 x #5 = (6) (gal)

Bladder Pump Controller Settings (if used): Recharge time: 10 (sec) Pressure: -- (psi)
Discharge time: 5 (sec) Cycles per minute: 4

Stabilization:

Time	Depth to Water (ft)	Volume Pumped (_____)	Pumping Rate (_____)	pH	Conductance (_____)	Turbidity (NTU)	Temp (°C)	DO (mg/L)	ORP (mV)
10:24	20.98		200	6.91	1.10	0.9	13.38	0.0	-27
10:27	20.98		200	6.90	1.10	0.6	13.48	0.0	-27
10:30	20.98		200	6.89	1.10	0.0	13.55	0.0	-27
10:33	20.98		200	6.~~9589~~	1.10	0.0	13.60	0.0	-28
10:36	20.98		200	6.89	1.10	0.0	13.65	0.0	-28

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	120mL	40mL Amber	3	HCl

Comments/Observations/Weather Conditions: Purge Start: 9:48 *9:52: Reset flow cell - bad seal
Sampled: 10:40 Purge Complete: 10:36

Horiba: 458043X MP10: 456082X
Water level: 98098 Comp: 457559X

Low Flow Sampling: Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of ± 0.1 pH, ±3% conductivity, ±10% temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

GROUND WATER SAMPLING
FIELD DATA FORM

Site: Genuine Parts
Location: Indianapolis, IN
Job #: 2125641B

Well #: MW-169D
Sample I.D. #:
Sample Time: 12:00
Sample Date: 2-17-11

Personnel Present During Sampling:

Well/Purging Information:

Purging method:
Sampling method: Low-Flow
Tubing material:
Screen Length: ft.
Top of well screen; ft. below measuring point
Pump intake set at: ft. below measuring point
Casing radius: in.
Well material: PVC / #316 SS / Galv. Steel
Other:

1) Well depth (from top of measuring point) (1) (ft)
2) Depth to water prior to purging (2) (ft)
3) Length of water column in well: #1 - #2 = (3) (ft)
4) Volume of water standing in well (4) (gal)
multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.
(Required for well volume purging approach only)
5) Number of purge volumes required (5)
6) Maximum volume to be purged: #4 x #5 = (6) (gal)

Bladder Pump Controller Settings (if used): Recharge time: 10 (sec) Pressure: -- (psi)
Discharge time: 5 (sec) Cycles per minute: 4

Stabilization:

Time	Depth to Water (ft)	Volume Pumped (_____)	Pumping Rate (_____)	pH	Conductance (_____)	Turbidity (NTU)	Temp (°C)	DO (mg/L)	ORP (mV)
11:25	20.75		200	7.09	0.957	37.7	14.24	0.0	-98
11:30	20.76		200	7.07	0.965	35.1	14.25	0.0	-100
11:33	20.76		200	7.06	0.973	29.3	14.29	0.0	-103
11:38	20.76		200	7.05	0.992	19.5	14.34	0.0	-107
11:43	20.77		200	7.05	1.01	11.5	14.35	0.0	-110
11:48	20.76		200	7.05	1.02	3.8	14.39	0.0	-111
11:51	20.77		200	7.05	1.03	0.0	14.50	0.0	-113
11:54	20.75		200	7.05	1.03	0.0	14.42	0.0	-113
11:57	20.76		200	7.05	1.03	0.0	14.42	0.0	-114

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	120 mL	40 mL Amber	3	HCl

Comments/Observations/Weather Conditions: Started Purge: 11:15 Stability Reached: 11:57
Sampled: 12:00

Low Flow Sampling: Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of ± 0.1 pH, ±3% conductivity, ±10% temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

GROUND WATER SAMPLING
FIELD DATA FORM

Site: Genuine Parts
Location: Indianapolis, IN
Job #: 2125641B

Well #: MW-173
Sample I.D. #:
Sample Time: 14:08
Sample Date: 2-10-11

Personnel Present During Sampling:

Well/Purging Information:

Purging method:
Sampling method: Low-Flow
Tubing material:
Screen Length: ft.
Top of well screen; ft. below measuring point
Pump intake set at: ft. below measuring point
Casing radius: in.
Well material: PVC / #316 SS / Galv. Steel
Other:

1) Well depth (from top of measuring point) (1) (ft)
2) Depth to water prior to purging (2) (ft)
3) Length of water column in well: #1 - #2 = (3) (ft)
4) Volume of water standing in well (4) (gal)
multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.
(Required for well volume purging approach only)
5) Number of purge volumes required (5)
6) Maximum volume to be purged: #4 x #5 = (6) (gal)

Bladder Pump Controller Settings (if used): Recharge time: 10 (sec) Pressure: -- (psi)
Discharge time: 5 (sec) Cycles per minute: 4

Stabilization:

Time	Depth to Water (ft)	Volume Pumped (_____)	Pumping Rate (_____)	pH	Conductance (_____)	Turbidity (NTU)	Temp (°C)	DO (mg/L)	ORP (mV)
13:38	14.25		150	7.13	0.796	78.2	13.17	0.0	62
13:41	14.25		150	7.11	0.800	72.0	12.92	0.0	63
13:44	14.25		150	7.11	0.800	54.2	12.71	0.0	62
13:49	14.25		150	7.11	0.802	31.6	12.58	0.0	62
13:54	14.25		150	7.11	0.802	7.7	12.44	0.0	61
13:58	14.25		150	7.11	0.800	0.0	12.35	0.0	62
14 13:01	14.25		150	7.11	0.800	0.0	12.32	0.0	62
COF 14:04	14.26		150	7.12	0.799	0.0	12.29	0.0	61

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	120mL	40mL Amber	3	HCl

Comments/Observations/Weather Conditions: Purge start: 13:28 Stability met: 14:04

Low Flow Sampling: Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of ± 0.1 pH, ±3% conductivity, ±10% temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

GROUND WATER SAMPLING
FIELD DATA FORM

Site: Genuine Parts
Location: Indianapolis, IN
Job #: 2125641B

Well #: MW-302
Sample I.D. #: MW302-021611
Sample Time: 10:30
Sample Date: 2/16/11

Personnel Present During Sampling:

Well/Purging Information:

Purging method: bladder pump
Sampling method: Low-Flow
Tubing material: poly
Screen Length: _____ ft.
Top of well screen; _____ ft. below measuring point
Pump intake set at: _____ ft. below measuring point
Casing radius: 2 in.
Well material: PVC / #316 SS / Galv. Steel
Other: _____

1) Well depth (from top of measuring point) (1) _____ (ft)
2) Depth to water prior to purging (2) 13.37' (ft)
3) Length of water column in well: #1 - #2 = (3) _____ (ft)
4) Volume of water standing in well (4) _____ (gal)
multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.
(Required for well volume purging approach only)
5) Number of purge volumes required (5) _____
6) Maximum volume to be purged: #4 x #5 = (6) _____ (gal)

Bladder Pump Controller Settings (if used): Recharge time: 10 (sec) Pressure: 30 (psi)
Discharge time: 5 (sec) Cycles per minute: 4

Stabilization:

Time	Depth to Water (ft)	Volume Pumped (L)	Pumping Rate (mL/m)	pH	Conductance (mS/cm)	Turbidity (NTU)	Temp (°C)	DO (mg/L)	ORP (mV)
09:45	13.61'	1.0	200	6.73	1.27	8.8	11.32	1.32	-85
10:00	13.62'	4.0	200	7.24	0.701	6.8	12.37	0.65	-186
10:05	13.62'	5.0	200	7.27	0.695	4.7	12.46	0.53	-191
10:10	13.62'	6.0	200	7.29	0.692	4.6	12.49	0.46	-193
10:15	13.62'	7.0	200	7.30	0.690	5.4	12.53	0.36	-194
10:20	13.62'	8.0	200	7.30	0.688	0.0	12.52	0.36	-195
10:25	13.62'	9.0	200	7.30	0.688	5.6	12.60	0.35	-195

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	120 mL	VIAL	3	HCL

Comments/Observations/Weather Conditions: clear, mid 40's
Purge start: 09:40
Purge stop:
Horiba 452: 4578908X MP10: 2417
Water level: 59184 COMPRESSOR: 21927

Low Flow Sampling: Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of ± 0.1 pH, ±3% conductivity, ±10% temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

GROUND WATER SAMPLING
FIELD DATA FORM

Site: Genuine Parts
Location: Indianapolis, IN
Job #: 2125641D

Well #: MW-10-1R
Sample I.D. #: MW-10-1R
Sample Time: 1610
Sample Date: 9-15-11

Personnel Present During Sampling:
Chris Ferguson, ENVIRON

Well/Purging Information:

Purging method:
Sampling method: Low-Flow
Tubing material:
Screen Length: 10 ft.
Top of well screen; 10 ft. below measuring point
Pump intake set at: 18 ft. below measuring point
Casing radius: 2 in.
Well material: PVC / #316 SS / Galv. Steel
Other:

1) Well depth (from top of measuring point) (1) 20 (ft)
2) Depth to water prior to purging (2) 16.25 (ft)
3) Length of water column in well: #1 - #2 = (3) 3.75 (ft)
4) Volume of water standing in well (4) (gal)
multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.
(Required for well volume purging approach only)
5) Number of purge volumes required (5)
6) Maximum volume to be purged: #4 x #5 = (6) (gal)

Bladder Pump Controller Settings (if used): Recharge time: -- (sec) Pressure: -- (psi)
Discharge time: -- (sec) Cycles per minute: --

Stabilization:

Time	Depth to Water (ft)	Volume Pumped (_____)	Pumping Rate (_____)	pH	Conductance (_____)	Turbidity (NTU)	Temp (°C)	DO (mg/L)	ORP (mV)
1515	16.32	—	150	—	—	—	—	—	—
1545	16.23		150	7.14	0.732	13.5	16.56	0.38	128
1580	16.22		150	7.15	0.729	4.7	16.57	0.20	137
1585	16.22		150	7.14	0.729	0.0	16.54	0.0	142
1600	16.23		150	7.18	0.728	0.0	16.55	0.0	144
1605	16.22		150	7.18	0.728	0.0	16.55	0.0	147
~~1610~~ amf									

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	amf 120 ml	40 ml Amber	3	HCl

Comments/Observations/Weather Conditions: Sunny, mid 50's
Stability Reached: 1605

Low Flow Sampling: Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of ± 0.1 pH, ±3% conductivity, ±10% temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

GROUND WATER SAMPLING
FIELD DATA FORM

Site: Genuine Parts
Location: Indianapolis, IN
Job #: 2125641D

Well #: MW-146
Sample I.D. #: MW-146
Sample Time: ~~1530~~ 1730
Sample Date: 9-14-11

Personnel Present During Sampling:
Chris Ferguson, ENVIRON

Well/Purging Information:

Purging method: ____
Sampling method: Low-Flow
Tubing material: ____
Screen Length: ~~15~~ 10 ft.
Top of well screen; ~~10~~ 15 ft. below measuring point
Pump intake set at: 17.5 ft. below measuring point
Casing radius: 2 in.
Well material: PVC / #316 SS / Galv. Steel
Other: ____

1) Well depth (from top of measuring point) (1) 25 (ft)
2) Depth to water prior to purging (2) 10.37 (ft)
3) Length of water column in well: #1 - #2 = (3) ____ (ft)
4) Volume of water standing in well (4) ____ (gal)
multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.
(Required for well volume purging approach only)
5) Number of purge volumes required (5) ____
6) Maximum volume to be purged: #4 x #5 = (6) ____ (gal)

Bladder Pump Controller Settings (if used): Recharge time: -- (sec) Pressure: -- (psi)
Discharge time: -- (sec) Cycles per minute: --

Stabilization:

Time	Depth to Water (ft)	Volume Pumped (____)	Pumping Rate (____)	pH	Conductance (____)	Turbidity (NTU)	Temp (°C)	DO (mg/L)	ORP (mV)
1645 ~~10.45~~ CMF	10.45	—	150	—	—	—	—	—	—
17~~15~~ 15	10.47		150	6.98	1.15	0.0	14.67	0.00	69
17~~20~~ 20	10.48		150	6.94	1.15	0.0	14.66	0.00	78
17~~25~~ 25	10.47		150	6.95	1.15	0.0	14.65	0.00	104

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep

Comments/Observations/Weather Conditions:
Cloudy, light Rain
Stability Reached @ 1525

Low Flow Sampling: Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of ± 0.1 pH, ±3% conductivity, ±10% temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

GROUND WATER SAMPLING
FIELD DATA FORM

Site: Genuine Parts
Location: Indianapolis, IN
Job #: 2125641D

Well #: MW-148R
Sample I.D. #: MW-148R
Sample Time: 1725
Sample Date: 9-15-11

Personnel Present During Sampling:
Chris Ferguson, ENVIRON

Well/Purging Information:

Purging method:
Sampling method: Low-Flow
Tubing material:
Screen Length: 15 ft.
Top of well screen; 10.5 ft. below measuring point
Pump intake set at: 19 ft. below measuring point
Casing radius: 2 in.
Well material: PVC / #316 SS / Galv. Steel
Other:

1) Well depth (from top of measuring point) (1) 25.5 (ft)
2) Depth to water prior to purging (2) 12.1 (ft)
3) Length of water column in well: #1 - #2 = (3) ~~12.13.4~~ (ft)
4) Volume of water standing in well (4) (gal)
multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.
(Required for well volume purging approach only)
5) Number of purge volumes required (5)
6) Maximum volume to be purged: #4 x #5 = (6) (gal)

Bladder Pump Controller Settings (if used): Recharge time: -- (sec) Pressure: -- (psi)
Discharge time: -- (sec) Cycles per minute: --

Stabilization:

Time	Depth to Water (ft)	Volume Pumped (_____)	Pumping Rate (_____)	pH	Conductance (_____)	Turbidity (NTU)	Temp (°C)	DO (mg/L)	ORP (mV)
1645	12.11	—	150	—	—	—	—	—	—
~~1700~~ 1705	12.16		150	6.91	1.75	0.0	16.01	0.0	120
1710	12.18		150	6.93	1.80	0.0	15.97	0.00	114
1715	12.16		150	6.92	1.89	0.0	15.84	0.00	107
1720			150	6.92	1.89	0.0	15.82	0.00	106
1725									

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	120 mL	40mL Amber	3	HCl

Comments/Observations/Weather Conditions: Sunny, 50's
Stability Reached: 1720

Low Flow Sampling: Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of ± 0.1 pH, ±3% conductivity, ±10% temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

GROUND WATER SAMPLING
FIELD DATA FORM

Site: Genuine Parts
Location: Indianapolis, IN
Job #: 2125641D

Well #: MW-15D
Sample I.D. #: MW-15D
Sample Time: 1615
Sample Date: 9-14-11

Personnel Present During Sampling:
Chris Ferguson, ENVIRON

Well/Purging Information:

Purging method: _____
Sampling method: Low-Flow
Tubing material: _____
Screen Length: _____ ft.
Top of well screen; _____ ft. below measuring point
Pump intake set at: _____ ft. below measuring point
Casing radius: _____ in.
Well material: PVC / #316 SS / Galv. Steel
Other: _____

1) Well depth (from top of measuring point) (1) 19 (ft)
2) Depth to water prior to purging (2) 13.66 (ft)
3) Length of water column in well: #1 - #2 = (3) _____ (ft)
4) Volume of water standing in well (4) _____ (gal)
multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.
(Required for well volume purging approach only)
5) Number of purge volumes required (5) _____
6) Maximum volume to be purged: #4 x #5 = (6) _____ (gal)

Bladder Pump Controller Settings (if used): Recharge time: -- (sec) Pressure: -- (psi)
Discharge time: -- (sec) Cycles per minute: --

Stabilization:

Time	Depth to Water (ft)	Volume Pumped (_____)	Pumping Rate (_____)	pH	Conductance (_____)	Turbidity (NTU)	Temp (°C)	DO (mg/L)	ORP (mV)
1540*	13.76	—	100	—	—	—	—	—	—
1615†	14.95	—	—	—	—	—	—	—	—

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep

Comments/Observations/Weather Conditions: Cloudy, light rain, 70°
Note: Initial Discharge dark and high in silt/particulates
* Drawdown > 1 ft after 10 min. Pump stopped to check recharge
† Sample collected: Highly turbid / with sediments

Low Flow Sampling: Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of ± 0.1 pH, ±3% conductivity, ±10% temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

GROUND WATER SAMPLING
FIELD DATA FORM

Site: Genuine Parts
Location: Indianapolis, IN
Job #: 2125641D

Well #: MW-152
Sample I.D. #: MW-152
Sample Time: 1135
Sample Date: 9-18-11

Personnel Present During Sampling:
Chris Ferguson, ENVIRON

Well/Purging Information:

Purging method: ____
Sampling method: Low-Flow
Tubing material: ____
Screen Length: 15 ft.
Top of well screen; 5 ft. below measuring point
Pump intake set at: 17 ft. below measuring point
Casing radius: 2 in.
Well material: PVC / #316 SS / Galv. Steel
Other: ____

1) Well depth (from top of measuring point) (1) 20 (ft)
2) Depth to water prior to purging (2) 14.35 (ft)
3) Length of water column in well: #1 - #2 = (3) 5.65 (ft)
4) Volume of water standing in well (4) ____ (gal)
multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.
(Required for well volume purging approach only)
5) Number of purge volumes required (5) ____
6) Maximum volume to be purged: #4 x #5 = (6) ____ (gal)

Bladder Pump Controller Settings (if used): Recharge time: -- (sec) Pressure: -- (psi)
Discharge time: -- (sec) Cycles per minute: --

Stabilization:

Time	Depth to Water (ft)	Volume Pumped (____)	Pumping Rate (____)	pH	Conductance (____)	Turbidity (NTU)	Temp (°C)	DO (mg/L)	ORP (mV)
1000	14.39	~	150	—	—	—	—	—	—
1035	14.39		150	7.16	0.861	51.1	17.62	2.92	166
1040	14.39		150	7.17	0.856	38.0	17.62	3.08	171
1045	14.39		150	7.14	0.855	26.0	17.64	3.02	173
1050	14.39		150	7.13	0.855	14.1	17.23	2.97	175
1055	14.39		150	7.13	0.855	12.4	17.26	2.97	175
1100	14.39		150	7.13	0.855	10.1	17.22	3.00	174
1105	14.39		150	7.14	0.855	8.2	17.29	3.01	174
1110	14.39		150	7.15	0.874	5.7	17.25	3.02	174
1115	14.39		150	7.19	0.873	2.4	#17.25	2.99	174
1120	14.39		150	7.13	0.872	<10	17.83	2.95	175
1125	14.39		150	7.15	0.874	0.0	17.29	3.00	176
1130	14.39		150	7.19	0.872	0.0	17.91	2.98	175

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	120 mL	40mL Amber	3	HCl

Comments/Observations/Weather Conditions: Sunny, clear, 45°
Stability Reached: 1130

Low Flow Sampling: Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of ± 0.1 pH, ±3% conductivity, ±10% temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

GROUND WATER SAMPLING
FIELD DATA FORM

Site: Genuine Parts
Location: Indianapolis, IN
Job #: 2125641D

J.O.
Well #: ~~MW-152~~ MW-151
Sample I.D. #: MW-151
Sample Time: 1015
Sample Date: 9/14/11

Personnel Present During Sampling:
Chris Ferguson, ENVIRON

Well/Purging Information:

Purging method: Bladder
Sampling method: Low-Flow
Tubing material: LDPE
Screen Length: 15 ft.
Top of well screen; 5 ft. below measuring point
Pump intake set at: 17.5 ft. below measuring point
Casing radius: 2 in.
Well material: (PVC) / #316 SS / Galv. Steel
Other:

1) Well depth (from top of measuring point) (1) 20 (ft)
2) Depth to water prior to purging (2) 14.44 (ft)
3) Length of water column in well: #1 - #2 = (3) ~ (ft)
4) Volume of water standing in well (4) ~ (gal)
multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.
(Required for well volume purging approach only)
5) Number of purge volumes required (5) ~
6) Maximum volume to be purged: #4 x #5 = (6) ~ (gal)

Bladder Pump Controller Settings (if used): Recharge time: 10 (sec) Pressure: 20 (psi)
Discharge time: 5 (sec) Cycles per minute: 4

Stabilization:

Time	Depth to Water (ft)	Volume Pumped (_____)	Pumping Rate (ml/min)	pH	Conductance (mS/cm)	Turbidity (NTU)	Temp (°C)	DO (mg/L)	ORP (mV)
940	14.80		200	~	~	~	~	~	~
1000	14.80		200	7.16	0.799	2.9	14.34	0.00	188
1005	14.80		200	7.17	0.798	0.0	14.37	0.00	183
1010	14.80		200	7.12	0.797	0.0	14.29	0.00	179

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	40 ml	Amber VOA	3	HCl

Comments/Observations/Weather Conditions: Overcast, ~70°F
Well casing is cracked

Low Flow Sampling: Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of ± 0.1 pH, ±3% conductivity, ±10% temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

GROUND WATER SAMPLING
FIELD DATA FORM

Site: Genuine Parts
Location: Indianapolis, IN
Job #: 2125641D

Well #: MW-153
Sample I.D. #: MW-153
Sample Time: 905
Sample Date: 9/14/2011

Personnel Present During Sampling:
Chris Ferguson, ENVIRON

Well/Purging Information:
Purging method: Bladder
Sampling method: Low-Flow
Tubing material: LDPE
Screen Length: 15 ft.
Top of well screen; 4.5 ft. below measuring point
Pump intake set at: 17 ft. below measuring point
Casing radius: 2 in.
Well material: (PVC) / #316 SS / Galv. Steel
Other:

1) Well depth (from top of measuring point) (1) 19.5 (ft)
2) Depth to water prior to purging (2) 12.94 (ft)
3) Length of water column in well: #1 - #2 = (3) - (ft)
4) Volume of water standing in well (4) - (gal)
multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.
(Required for well volume purging approach only)
5) Number of purge volumes required (5) -
6) Maximum volume to be purged: #4 x #5 = (6) - (gal)

Bladder Pump Controller Settings (if used): Recharge time: 10 (sec) Pressure: 12 (psi)
Discharge time: 5 (sec) Cycles per minute: 4

Stabilization:

Time	Depth to Water (ft)	Volume Pumped (_____)	Pumping Rate (ml/min)	pH	Conductance mS/cm	Turbidity (NTU)	Temp (°C)	DO (mg/L)	ORP (mV)
820	13.02		200	-	-	-	-	-	-
840	13.02		200	6.53	2.88	0.0	15.80	1.10	239
845	13.02		200	6.78	2.86	0.0	15.48	0.00	207
850	13.02		200	6.79	2.86	0.0	15.42	0.00	197
855	13.02		200	6.81	2.85	0.0	15.38	0.00	190
900	13.02		200	6.82	2.84	0.0	15.36	0.00	187

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	40 ml	Amber VOA	3	HCl

Comments/Observations/Weather Conditions: Overcast, ~61°F

Low Flow Sampling: Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of ± 0.1 pH, ±3% conductivity, ±10% temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

GROUND WATER SAMPLING
FIELD DATA FORM

Site: Genuine Parts
Location: Indianapolis, IN
Job #: 2125641D

Well #: MW-154
Sample I.D. #: MW-154
Sample Time: 1745
Sample Date: 9-13-11

Personnel Present During Sampling:
Chris Ferguson, ENVIRON

Well/Purging Information:

Purging method: ____
Sampling method: Low-Flow
Tubing material: ____
Screen Length: 15 ft.
Top of well screen; 5 ft. below measuring point
Pump intake set at: 17.25 ft. below measuring point
Casing radius: 2 in.
Well material: PVC / #316 SS / Galv. Steel
Other: ____

1) Well depth (from top of measuring point) (1) 20 (ft)
2) Depth to water prior to purging (2) 14.55 (ft)
3) Length of water column in well: #1 - #2 = (3) ____ (ft)
4) Volume of water standing in well (4) ____ (gal)
multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.
(Required for well volume purging approach only)
5) Number of purge volumes required (5) ____
6) Maximum volume to be purged: #4 x #5 = (6) ____ (gal)

Bladder Pump Controller Settings (if used): Recharge time: -- (sec) Pressure: -- (psi)
Discharge time: -- (sec) Cycles per minute: --

Stabilization:

Time	Depth to Water (ft)	Volume Pumped (____)	Pumping Rate (____)	pH	Conductance (____)	Turbidity (NTU)	Temp (°C)	DO (mg/L)	ORP (mV)
1640	14.60	-	200	-	-	-	-	-	-
1710	14.60		200	7.30	2.76	2.2	17.65	2.41	98
1715	14.60		200	7.28	2.64	3.5	17.32	2.39	118
1720	14.60		200	7.28	2.86	3.2	17.16	2.40	130
1725	14.60		200	7.28	2.87	3.6	17.03	1.97	137
1730	14.60		200	7.28	2.88	4.1	16.91	2.16	140
1735	14.60		200	7.27	2.88	4.5	17.07	2.03	142
1740	14.60		200	7.27	2.89	4.4	16.89	1.99	146

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	120 mL	40mL VOA	3	HCl

Comments/Observations/Weather Conditions: Sunny, 60's, Breeze from South
Stability Reached: 1740

Low Flow Sampling: Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of ± 0.1 pH, ±3% conductivity, ±10% temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

GROUND WATER SAMPLING
FIELD DATA FORM

Site: Genuine Parts
Location: Indianapolis, IN
Job #: 2125641D

Well #: MW-156
Sample I.D. #: MW-156
Sample Time: 1450
Sample Date: 9-15-11

Personnel Present During Sampling:
Chris Ferguson, ENVIRON

Well/Purging Information:

Purging method:
Sampling method: Low-Flow
Tubing material:
Screen Length: 15 ft.
Top of well screen; 5 ft. below measuring point
Pump intake set at: 16.5 ft. below measuring point
Casing radius: 2 in.
Well material: PVC / #316 SS / Galv. Steel
Other:

1) Well depth (from top of measuring point) (1) ~~12.89~~ 20 (ft)
2) Depth to water prior to purging (2) 12.89 (ft)
3) Length of water column in well: #1 - #2 = (3) 7.11 (ft)
4) Volume of water standing in well (4) _____ (gal)
multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.
(Required for well volume purging approach only)
5) Number of purge volumes required (5) _____
6) Maximum volume to be purged: #4 x #5 = (6) _____ (gal)

Bladder Pump Controller Settings (if used): Recharge time: -- (sec) Pressure: -- (psi)
Discharge time: -- (sec) Cycles per minute: --

Stabilization:

Time	Depth to Water (ft)	Volume Pumped (_____)	Pumping Rate (_____)	pH	Conductance (_____)	Turbidity (NTU)	Temp (°C)	DO (mg/L)	ORP (mV)
1400	12.96	-	150	✓	✓	✓	✓	✓	✓
1425	12.95		150	7.10	0.905	0.0	16.85	2.22	140
1430	12.96		150	7.12	0.994	0.0	15.63	0.22	90
1435	12.95		150	7.11	0.993	0.0	15.50	0.0	79
1440	12.95		150	7.04	0.988	0.0	15.44	0.0	80
1445	12.95		150	7.07	0.987	0.0	15.42	0.0	80

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	120 mL	40 mL Amber	120	HCl

Comments/Observations/Weather Conditions: Partly Cloudy, windy, 55°
Stability Reached: 1445

Low Flow Sampling: Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of ± 0.1 pH, ±3% conductivity, ±10% temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

GROUND WATER SAMPLING
FIELD DATA FORM

Site: Genuine Parts
Location: Indianapolis, IN
Job #: 2125641D

Well #: MW-159
Sample I.D. #: MW-159
Sample Time: 1328
Sample Date: 7-14-11

Personnel Present During Sampling:
Chris Ferguson, ENVIRON

Well/Purging Information:

Purging method: _____
Sampling method: Low-Flow
Tubing material: _____
Screen Length: N/A ft.
Top of well screen; N/A ft. below measuring point
Pump intake set at: 15.75 ft. below measuring point
Casing radius: 2 in.
Well material: PVC / #316 SS / Galv. Steel
Other: _____

1) Well depth (from top of measuring point) (1) 18.5 (ft)
2) Depth to water prior to purging (2) 13.05 (ft)
3) Length of water column in well: #1 - #2 = (3) ~~4.95~~ (ft) 5.45
4) Volume of water standing in well (4) _____ (gal)
multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.
(Required for well volume purging approach only)
5) Number of purge volumes required (5) _____
6) Maximum volume to be purged: #4 x #5 = (6) _____ (gal)

Bladder Pump Controller Settings (if used): Recharge time: -- (sec) Pressure: -- (psi)
Discharge time: -- (sec) Cycles per minute: --

Stabilization:

Time	Depth to Water (ft)	Volume Pumped (_____)	Pumping Rate (_____)	pH	Conductance (_____)	Turbidity (NTU)	Temp (°C)	DO (mg/L)	ORP (mV)
1245	13.16	—	200	—	—	—	—	—	—
1315	13.17		200	7.01	1.00	0.0	16.62	0.00	187
1318	13.17		200	7.00	1.03	0.0	16.39	0.00	182
1321	13.18		200	6.98	1.03	0.0	16.31	0.00	180
1324	13.17		200	6.95	1.04	0.0	16.25	0.00	177

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	120 mL	40 mL Amber	3	HCl

Comments/Observations/Weather Conditions: Cloudy, low-mid 60's
Stability Reached: 1324

Low Flow Sampling: Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of ± 0.1 pH, ±3% conductivity, ±10% temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

GROUND WATER SAMPLING
FIELD DATA FORM

Site: Genuine Parts
Location: Indianapolis, IN
Job #: 2125641D

Well #: MW-160
Sample I.D. #: MW-160
Sample Time: 1530
Sample Date: 9/12/11

Personnel Present During Sampling:
Chris Ferguson, ENVIRON

Well/Purging Information:

Purging method: Bladder
Sampling method: Low-Flow
Tubing material: LDPE
Screen Length: 10 ft.
Top of well screen; 3 ft. below measuring point
Pump intake set at: 9 ft. below measuring point
Casing radius: 2 in.
Well material: (PVC) / #316 SS / Galv. Steel
Other:

1) Well depth (from top of measuring point) (1) 4.67 (ft)
2) Depth to water prior to purging (2) 13 (ft)
3) Length of water column in well: #1 - #2 = (3) — (ft)
4) Volume of water standing in well (4) — (gal)
multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.
(Required for well volume purging approach only)
5) Number of purge volumes required (5) —
6) Maximum volume to be purged: #4 x #5 = (6) — (gal)

Bladder Pump Controller Settings (if used): Recharge time: 10 (sec) Pressure: 14 (psi)
Discharge time: 5 (sec) Cycles per minute: 4

Stabilization:

Time	Depth to Water (ft)	Volume Pumped (_____)	Pumping Rate (ml/min)	pH	Conductance (mS/cm)	Turbidity (NTU)	Temp (°C)	DO (mg/L)	ORP (mV)
1425	4.71		200	—	—	—	—	—	—
1455	4.73		200	6.75	1.51	24.0	16.63	0.04	-62
1500	4.73		200	6.97	1.48	20.6	15.59	0.00	-81
1505	4.73		200	7.02	1.46	17.7	15.63	0.00	-87
1510	4.73		200	7.04	1.46	16.3	15.28	0.00	-88
1515	4.73		200	7.05	1.45	14.6	15.52	0.00	-88
1520	4.73		200	7.07	1.44	12.0	15.56	0.00	-87
1523	4.73		200	7.07	1.44	12.2	15.63	0.00	-87
1526	4.73		200	7.06	1.44	11.7	15.49	0.00	-87

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	40 ml	VOA	3	HCl

Comments/Observations/Weather Conditions: Partly Cloudy, ~85°F Stability Reached @ 1526

Low Flow Sampling: Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of ± 0.1 pH, ±3% conductivity, ±10% temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

GROUND WATER SAMPLING
FIELD DATA FORM

Site: Genuine Parts
Location: Indianapolis, IN
Job #: 2125641D

Well #: MW-161
Sample I.D. #: MW-161 / MW-161-DUP
Sample Time: 1624
Sample Date: 9/12/11

Personnel Present During Sampling:
Chris Ferguson, ENVIRON

Well/Purging Information:

Purging method: Bladder
Sampling method: Low-Flow
Tubing material: LDPE
Screen Length: 10 ft.
Top of well screen; 3 ft. below measuring point
Pump intake set at: 9.75 ft. below measuring point
Casing radius: 2 in.
Well material: (PVC) / #316 SS / Galv. Steel
Other:

1) Well depth (from top of measuring point) (1) 13 (ft)
2) Depth to water prior to purging (2) 6.13 (ft)
3) Length of water column in well: #1 - #2 = (3) — (ft)
4) Volume of water standing in well (4) — (gal)
multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.
(Required for well volume purging approach only)
5) Number of purge volumes required (5) —
6) Maximum volume to be purged: #4 x #5 = (6) — (gal)

Bladder Pump Controller Settings (if used): Recharge time: 10 (sec) Pressure: 18 (psi)
Discharge time: 5 (sec) Cycles per minute: 4

Stabilization:

Time	Depth to Water (ft)	Volume Pumped (_____)	Pumping Rate (_____)	pH	Conductance (mS/cm)	Turbidity (NTU)	Temp (°C)	DO (mg/L)	ORP (mV)
1545	6.17		220	—	—	—	—	—	—
1609	6.17		220	7.00	1.73	16.5	17.51	0.00	101
1614	6.17		220	7.00	1.73	17.6	17.56	0.00	104
1619	6.17			7.01	1.73	17.5	17.38	0.00	106

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	40 ml	Amber VOA	6	HCl

Comments/Observations/Weather Conditions: Partly Cloudy, ~85°F

Low Flow Sampling: Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of ± 0.1 pH, ±3% conductivity, ±10% temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

GROUND WATER SAMPLING
FIELD DATA FORM

Site: Genuine Parts
Location: Indianapolis, IN
Job #: 2125641D

Well #: MW-163
Sample I.D. #: MW-163
Sample Time: ~~1315~~ 1515
Sample Date: 9-14-11

Personnel Present During Sampling:
Chris Ferguson, ENVIRON

Well/Purging Information:

Purging method: ____
Sampling method: Low-Flow
Tubing material: ____
Screen Length: 10 ft.
Top of well screen; 10 ft. below measuring point
Pump intake set at: 16.25 ft. below measuring point
Casing radius: 2 in.
Well material: PVC / #316 SS / Galv. Steel
Other: ____

1) Well depth (from top of measuring point) (1) 20 (ft)
2) Depth to water prior to purging (2) 12.52 (ft)
3) Length of water column in well: #1 - #2 = (3) 7.48 (ft)
4) Volume of water standing in well (4) ____ (gal)
multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.
(Required for well volume purging approach only)
5) Number of purge volumes required (5) ____
6) Maximum volume to be purged: #4 x #5 = (6) ____ (gal)

Bladder Pump Controller Settings (if used): Recharge time: -- (sec) Pressure: -- (psi)
Discharge time: -- (sec) Cycles per minute: --

Stabilization:

Time	Depth to Water (ft)	Volume Pumped (____)	Pumping Rate (____)	pH	Conductance (____)	Turbidity (NTU)	Temp (°C)	DO (mg/L)	ORP (mV)
1355	12.61	—	~~150~~ 100*	—	—	—	—	—	—
1420	13.21		100	6.85	0.982	0.0	19.25	0.00	10
1425	13.29		100	6.85	0.9~~84~~57	0.0	19.23	0.00	-5
1430	13.42		100	6.85	0.935	0.0	19.21	0.00	-19
1435[1]	—	—	—	—	—	—	—	—	—
1500	13.00		100	6.83	0.926	0.0	20.21	0.00	-23
1505	13.30		100	6.84	0.921	0.0	20.26	0.00	-39
1510[2]	13.41		100	6.85	0.919	0.0	19.96	0.00	-40

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	120 mL	40 mL Amber	3	HCl

Comments/Observations/Weather Conditions: Cloudy, 70°
* Well drawdown 2" after 5 minutes. Pumping rate reduced.
1. Purging paused for well recharge
2. Sample Collected due to low recharge rate

Low Flow Sampling: Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of ± 0.1 pH, ±3% conductivity, ±10% temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

GROUND WATER SAMPLING
FIELD DATA FORM

Site: Genuine Parts
Location: Indianapolis, IN
Job #: 2125641D

Well #: MW-164
Sample I.D. #: MW-164
Sample Time: 1140
Sample Date: 9/14/11

Personnel Present During Sampling:
Chris Ferguson, ENVIRON

Well/Purging Information:

Purging method: Bladder
Sampling method: Low-Flow
Tubing material: LDPE
Screen Length: 10 ft.
Top of well screen; 16 ft. below measuring point
Pump intake set at: 23 ft. below measuring point
Casing radius: 2 in.
Well material: (PVC) / #316 SS / Galv. Steel
Other:

1) Well depth (from top of measuring point) (1) 26 (ft)
2) Depth to water prior to purging (2) 19.57 (ft)
3) Length of water column in well: #1 - #2 = (3) – (ft)
4) Volume of water standing in well (4) – (gal)
multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.
(Required for well volume purging approach only)
5) Number of purge volumes required (5) –
6) Maximum volume to be purged: #4 x #5 = (6) – (gal)

Bladder Pump Controller Settings (if used): Recharge time: 10 (sec) Pressure: 22 (psi)
Discharge time: 5 (sec) Cycles per minute: 4

Stabilization:

Time	Depth to Water (ft)	Volume Pumped (_____)	Pumping Rate (ml/min)	pH	Conductance (mS/cm)	Turbidity (NTU)	Temp (°C)	DO (mg/L)	ORP (mV)
1047	19.71		200	–	–	–	–	–	–
1105	19.73		200	7.12	0.888	22.6	15.23	0.11	197
1110	19.73		200	7.08	0.890	14.1	15.20	0.00	188
1115	19.73		200	7.07	0.890	8.0	15.15	0.00	176
1120	19.73		200	7.08	0.890	3.4	15.19	0.00	168
1125	19.73		200	7.08	0.890	0.0	15.21	0.00	162
1130	19.73		200	7.09	0.890	0.0	15.22	0.00	157
1135	19.73		200	7.10	0.890	0.0	15.26	0.00	153

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	40 ml	Amber VOA	3	HCl

Comments/Observations/Weather Conditions: Overcast, ~70°F

Low Flow Sampling: Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of ± 0.1 pH, ±3% conductivity, ±10% temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

GROUND WATER SAMPLING
FIELD DATA FORM

Site: Genuine Parts
Location: Indianapolis, IN
Job #: 2125641D

Well #: MW-165D
Sample I.D. #: MW-165D
Sample Time: 1325
Sample Date: 9-16-11

Personnel Present During Sampling:
Chris Ferguson, ENVIRON

Well/Purging Information:

Purging method:
Sampling method: Low-Flow
Tubing material:
Screen Length: 5 ft.
Top of well screen; 42 ft. below measuring point
Pump intake set at: 44.5 ft. below measuring point
Casing radius: 2 in.
Well material: PVC / #316 SS / Galv. Steel
Other:

1) Well depth (from top of measuring point) (1) 47 (ft)
2) Depth to water prior to purging (2) 15.44 (ft)
3) Length of water column in well: #1 - #2 = (3) 31.56 (ft)
4) Volume of water standing in well (4) (gal)
multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.
(Required for well volume purging approach only)
5) Number of purge volumes required (5)
6) Maximum volume to be purged: #4 x #5 = (6) (gal)

Bladder Pump Controller Settings (if used): Recharge time: -- (sec) Pressure: -- (psi)
Discharge time: -- (sec) Cycles per minute: --

Stabilization:

Time	Depth to Water (ft)	Volume Pumped (_____)	Pumping Rate (_____)	pH	Conductance (_____)	Turbidity (NTU)	Temp (°C)	DO (mg/L)	ORP (mV)
1245	14.44-14.71	—	150	—	—	—	—	—	—
1235	14.71		150	7.34	1.29	25.8	18.66	0.00	-95
1240	14.71		150	7.36	1.34	25.4	18.37	0.00	-97
1245	14.71		150	7.37	1.43	26.8	17.76	0.00	-101
1250	14.71		150	7.39	1.54	16.8	17.33	0.00	-102
1255	14.71		150	7.40	1.55	13.8	17.27	0.00	-102
1300	14.71		150	7.41	1.57	8.7	17.09	0.00	-102
1305	14.71		150	7.40	1.59	5.1	17.11	0.00	-103
1310	14.71		150	7.41	1.59	0.0	17.12	0.00	-103
1315	14.71		150	7.40	1.60	0.0	17.11	0.00	-103
1320	14.71		150	7.42	1.60	0.0	17.18	0.00	-104

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep

Comments/Observations/Weather Conditions: Partly Cloudy 60°
Stability Reached: 1320

Low Flow Sampling: Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of ± 0.1 pH, ±3% conductivity, ±10% temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

GROUND WATER SAMPLING
FIELD DATA FORM

Site: Genuine Parts
Location: Indianapolis, IN
Job #: 2125641D

Well #: MW-165S
Sample I.D. #: MW-165S
Sample Time: 1205
Sample Date: 9-16-11

Personnel Present During Sampling:
Chris Ferguson, ENVIRON

Well/Purging Information:

Purging method: ____
Sampling method: Low-Flow
Tubing material: ____
Screen Length: 10 ft.
Top of well screen; 10 ft. below measuring point
Pump intake set at: 17.5 ft. below measuring point
Casing radius: 2 in.
Well material: PVC / #316 SS / Galv. Steel
Other: ____

1) Well depth (from top of measuring point) (1) 20 (ft)
2) Depth to water prior to purging (2) 14.85 (ft)
3) Length of water column in well: #1 - #2 = (3) 5.15 (ft)
4) Volume of water standing in well (4) ____ (gal)
multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.
(Required for well volume purging approach only)
5) Number of purge volumes required (5) ____
6) Maximum volume to be purged: #4 x #5 = (6) ____ (gal)

Bladder Pump Controller Settings (if used): Recharge time: -- (sec) Pressure: -- (psi)
Discharge time: -- (sec) Cycles per minute: --

Stabilization:

Time	Depth to Water (ft)	Volume Pumped (_____)	Pumping Rate (_____)	pH	Conductance (_____)	Turbidity (NTU)	Temp (°C)	DO (mg/L)	ORP (mV)
1110	14.88	—	150	—	—	—	—	—	—
1135	14.88		150	7.28	0.981	0.0	17.06	0.00	-54
1140	14.88		150	7.27	0.946	3.9	19.70	0.00	-65
1145	14.89		150	7.27	0.940	3.8	20.05	0.00	-66
1150	14.88		150	7.27	0.930	0.00	20.85	0.00	-76
1155	14.89		150	7.29	0.932	0.00	20.85	0.00	-76
1200	14.89		150	7.26	0.934	0.0	20.81	0.00	-77

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	120 mL	40mL Amber	3	HCl

Comments/Observations/Weather Conditions: Mostly Cloudy, mid 50's
Stability Reached: 1200

Low Flow Sampling: Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of ± 0.1 pH, ±3% conductivity, ±10% temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

GROUND WATER SAMPLING
FIELD DATA FORM

Site: Genuine Parts
Location: Indianapolis, IN
Job #: 2125641D

Well #: MW-166D
Sample I.D. #: MW-166D
Sample Time: 1545
Sample Date: 9-16-11

Personnel Present During Sampling:
Chris Ferguson, ENVIRON

Well/Purging Information:

Purging method:
Sampling method: Low-Flow
Tubing material:
Screen Length: 5 ft.
Top of well screen; 46 ft. below measuring point
Pump intake set at: 48.5 ft. below measuring point
Casing radius: 2 in.
Well material: PVC / #316 SS / Galv. Steel
Other:

1) Well depth (from top of measuring point) (1) 51 (ft)
2) Depth to water prior to purging (2) 15.46 (ft)
3) Length of water column in well: #1 - #2 = (3) 35.54 (ft)
4) Volume of water standing in well (4) (gal)
multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.
(Required for well volume purging approach only)
5) Number of purge volumes required (5)
6) Maximum volume to be purged: #4 x #5 = (6) (gal)

Bladder Pump Controller Settings (if used): Recharge time: -- (sec) Pressure: -- (psi)
Discharge time: -- (sec) Cycles per minute: --

Stabilization:

Time	Depth to Water (ft)	Volume Pumped (_____)	Pumping Rate (_____)	pH	Conductance (_____)	Turbidity (NTU)	Temp (°C)	DO (mg/L)	ORP (mV)
1445	15.51	—	150	—	—	—	—	—	—
1500	15.51		150	7.41	1.02	60.3	16.70	0.00	-96
1505	15.51		150	7.46	0.998	35.5	16.57	0.00	-104
1510	15.51		150	7.48	0.994	21.7	16.44	0.00	-107
1515	15.51		150	7.48	0.992	18.9	16.40	0.00	-108
1520	15.51		150	7.48	0.991	11.1	16.31	0.00	-108
1525	15.52		150	7.49	0.990	4.4	16.20	0.00	-109
1530	15.52		150	7.48	0.989	0.8	16.12	0.00	-110
1535	15.51		150	7.42	0.989	0.0	16.08	0.00	-110
1540	15.52		150	7.50	0.989	0.0	16.00	0.00	-111

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	360*	40 mL VOA	9	HCl

Comments/Observations/Weather Conditions: Cloudy, 60°
*MS/MSD Collected
Stability Reached: 1540

Low Flow Sampling: Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of ± 0.1 pH, ±3% conductivity, ±10% temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

GROUND WATER SAMPLING
FIELD DATA FORM

Site: Genuine Parts
Location: Indianapolis, IN
Job #: 2125641D

Well #: MW-166S
Sample I.D. #: MW-166S
Sample Time: 1435
Sample Date: 9-16-11

Personnel Present During Sampling:
Chris Ferguson, ENVIRON

Well/Purging Information:

Purging method: ____
Sampling method: Low-Flow
Tubing material: ____
Screen Length: 10 ft.
Top of well screen; 10 ft. below measuring point
Pump intake set at: 18 ft. below measuring point
Casing radius: 2 in.
Well material: PVC / #316 SS / Galv. Steel
Other: ____

1) Well depth (from top of measuring point) (1) 20 (ft)
2) Depth to water prior to purging (2) 15.70 (ft)
3) Length of water column in well: #1 - #2 = (3) 4.30 (ft)
4) Volume of water standing in well (4) ____ (gal)
multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.
(Required for well volume purging approach only)
5) Number of purge volumes required (5) ____
6) Maximum volume to be purged: #4 x #5 = (6) ____ (gal)

Bladder Pump Controller Settings (if used): Recharge time: -- (sec) Pressure: -- (psi)
Discharge time: -- (sec) Cycles per minute: --

Stabilization:

Time	Depth to Water (ft)	Volume Pumped (____)	Pumping Rate (____)	pH	Conductance (____)	Turbidity (NTU)	Temp (°C)	DO (mg/L)	ORP (mV)
1345	15.74	---	150	—	—	—	—	—	—
1400	15.77		150	7.24	1.27	32.5	17.63	0.00	-18
1405	15.77		150	7.23	1.22	20.5	17.52	0.00	5
1410	15.71		150	7.22	1.21	9.4	17.44	0.00	31
1415	15.76		150	7.20	1.21	5.4	17.42	0.00	41
1420	15.77		150	7.20	1.21	0.0	17.40	0.00	58
1425	15.76		150	7.21	1.21	0.0	17.38	0.00	62
1430	15.77		150	7.21	1.21	0.0	17.37	0.00	69

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	120 mL	40ml Amber	3	HCl

Comments/Observations/Weather Conditions: Partly Cloudy, 60°
Stability Reached: 1430

Low Flow Sampling: Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of ± 0.1 pH, ±3% conductivity, ±10% temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

GROUND WATER SAMPLING
FIELD DATA FORM

Site: Genuine Parts
Location: Indianapolis, IN
Job #: 2125641D

Well #: MW-167D /Dup
Sample I.D. #: MW-167D
Sample Time: 1025
Sample Date: 9-16-11

Personnel Present During Sampling:
Chris Ferguson, ENVIRON

Well/Purging Information:

Purging method:
Sampling method: Low-Flow
Tubing material:
Screen Length: 5 ft.
Top of well screen; 28 ft. below measuring point
Pump intake set at: 30.5 ft. below measuring point
Casing radius: 2 in.
Well material: PVC / #316 SS / Galv. Steel
Other:

1) Well depth (from top of measuring point) (1) 33 (ft)
2) Depth to water prior to purging (2) 18.98 (ft)
3) Length of water column in well: #1 - #2 = (3) 14.12 (ft)
4) Volume of water standing in well (4) (gal)
multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.
(Required for well volume purging approach only)
5) Number of purge volumes required (5)
6) Maximum volume to be purged: #4 x #5 = (6) (gal)

Bladder Pump Controller Settings (if used): Recharge time: 10 -- (sec) Pressure: 20 (psi)
Discharge time: 5 -- (sec) Cycles per minute: 4

Stabilization:

Time	Depth to Water (ft)	Volume Pumped (_____)	Pumping Rate (_____)	pH	Conductance (_____)	Turbidity (NTU)	Temp (°C)	DO (mg/L)	ORP (mV)
0905	18.96	—	150	—	—	—	—	—	—
0935	18.95		150	6.67	1.041	127	14.19	0.00	-27
0940	18.95		150	~~6.722~~ 7.22	1.01	59.7	14.72	0.00	-65
0945	18.95		150	7.23	1.01	51.2	14.76	0.00	-68
0950	18.95		150	7.26	1.01	31.1	14.83	0.00	-68
0955	18.96		150	7.31	1.01	19.8	14.91	0.00	-69
1000	18.95		150	7.29	1.01	13.6	14.94	0.00	-70
1005	18.96		150	7.32	1.01	9.4	14.97	0.00	-73
1010	18.95		150	7.29	1.01	6.7	14.99	0.00	-73
1015	18.96		150	7.31	1.01	6.9	15.11	0.00	-72
1020	18.95		150	7.30	1.01	6.6	15.21	0.00	-71

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	240 mL	40 ml Amber	6	HCl

Comments/Observations/Weather Conditions: Cloudy, 50°
Stability Reached: 1020

Low Flow Sampling: Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of ± 0.1 pH, ±3% conductivity, ±10% temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

GROUND WATER SAMPLING
FIELD DATA FORM

Site: Genuine Parts
Location: Indianapolis, IN
Job #: 2125641D

Well #: MW-173
Sample I.D. #: MW-173
Sample Time: 1320
Sample Date: 9-15-11

Personnel Present During Sampling:
Chris Ferguson, ENVIRON

Well/Purging Information:

Purging method:
Sampling method: Low-Flow
Tubing material:
Screen Length: 10 ft.
Top of well screen; 8 ft. below measuring point
Pump intake set at: 16 ft. below measuring point
Casing radius: 2 in.
Well material: PVC / #316 SS / Galv. Steel
Other:

1) Well depth (from top of measuring point) (1) 18 (ft)
2) Depth to water prior to purging (2) 14.09 (ft)
3) Length of water column in well: #1 - #2 = (3) 3.91 (ft)
4) Volume of water standing in well (4) (gal)
multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.
(Required for well volume purging approach only)
5) Number of purge volumes required (5)
6) Maximum volume to be purged: #4 x #5 = (6) (gal)

Bladder Pump Controller Settings (if used): Recharge time: -- (sec) Pressure: -- (psi)
Discharge time: -- (sec) Cycles per minute: --

Stabilization:

Time	Depth to Water (ft)	Volume Pumped (_____)	Pumping Rate (_____)	pH	Conductance (_____)	Turbidity (NTU)	Temp (°C)	DO (mg/L)	ORP (mV)
1215	14.15	~	150	—	—	—	—	—	—
1250	14.14		150	7.15	0.774	0.0	18.31	2.80	171
1255	14.15		150	7.19	0.767	0.0	18.22	2.39	169
1300	14.15		150	7.16	0.766	0.0	18.22	2.12	165
1305	14.15		150	7.14	0.767	0.0	18.17	1.88	163
1310	14.15		150	7.16	0.767	0.0	18.16	1.87	161
1315	14.15		150	7.14	0.767	0.0	18.21	1.79	160

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	120 mL	40mL Amber	3	HCl

Comments/Observations/Weather Conditions: Sunny - Partly cloudy, 55°
Stability Reached: 1315

Low Flow Sampling: Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of ± 0.1 pH, ±3% conductivity, ±10% temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

GROUND WATER SAMPLING
FIELD DATA FORM

Site: Genuine Parts
Location: Indianapolis, IN
Job #: 2125641D

Well #: MW-174D
Sample I.D. #: MW-174D
Sample Time: 1105
Sample Date: 9-13-11

Personnel Present During Sampling:
Chris Ferguson, ENVIRON

Well/Purging Information:
Purging method: —
Sampling method: Low-Flow
Tubing material:
Screen Length: 5 ft.
Top of well screen; 43 ft. below measuring point
Pump intake set at: 45.5 ft. below measuring point
Casing radius: 2 in.
Well material: PVC / #316 SS / Galv. Steel
Other:

1) Well depth (from top of measuring point) (1) 48 (ft)
2) Depth to water prior to purging (2) 21.38 (ft)
3) Length of water column in well: #1 - #2 = (3) 26.62 (ft)
4) Volume of water standing in well (4) (gal)
multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.
(Required for well volume purging approach only)
5) Number of purge volumes required (5) —
6) Maximum volume to be purged: #4 x #5 = (6) — (gal)

Bladder Pump Controller Settings (if used): Recharge time: -- (sec) Pressure: -- (psi)
Discharge time: -- (sec) Cycles per minute: --

Stabilization:

Time	Depth to Water (ft)	Volume Pumped (_____)	Pumping Rate (_____)	pH	Conductance (_____)	Turbidity (NTU)	Temp (°C)	DO (mg/L)	ORP (mV)
1015	21.44	—	200	—	—	—	—	—	—
1046	21.44		200	7.24	1.38	5.8	16.89	0.00	-91
1049	21.44		200	7.27	1.39	5.1	16.82	0.00	-97
1054	21.44		200	7.30	1.42	4.1	16.77	0.00	-102
1057	21.44		200	7.32	1.42	3.9	16.69	0.00	-105
1100	21.44		200	7.30	1.43	3.8	16.72	0.00	-104

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	120 40mL CAP	40mL VOA	3	HCl

Comments/Observations/Weather Conditions: Sunny, 5 mph breeze from South, 70°F
Stability Reached: 1100

Low Flow Sampling: Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of ± 0.1 pH, ±3% conductivity, ±10% temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

GROUND WATER SAMPLING
FIELD DATA FORM

Site: Genuine Parts
Location: Indianapolis, IN
Job #: 2125641D

Well #: MW-174S
Sample I.D. #: MW-174S
Sample Time: 1210
Sample Date: 9-13-11

Personnel Present During Sampling:
Chris Ferguson, ENVIRON

Well/Purging Information:

Purging method: _____
Sampling method: Low-Flow
Tubing material: _____
Screen Length: _____ ft.
Top of well screen; _____ ft. below measuring point
Pump intake set at: _____ ft. below measuring point
Casing radius: _____ in.
Well material: PVC / #316 SS / Galv. Steel
Other: _____

1) Well depth (from top of measuring point) (1) _____ (ft)
2) Depth to water prior to purging (2) _____ (ft)
3) Length of water column in well: #1 - #2 = (3) _____ (ft)
4) Volume of water standing in well (4) _____ (gal)
multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.
(Required for well volume purging approach only)
5) Number of purge volumes required (5) _____
6) Maximum volume to be purged: #4 x #5 = (6) _____ (gal)

Bladder Pump Controller Settings (if used): Recharge time: -- (sec) Pressure: -- (psi)
Discharge time: -- (sec) Cycles per minute: --

Stabilization:

Time	Depth to Water (ft)	Volume Pumped (_____)	Pumping Rate (_____)	pH	Conductance (_____)	Turbidity (NTU)	Temp (°C)	DO (mg/L)	ORP (mV)
1115	21.49	—	150	—	—	—	—	—	—
1150	21.51		150	7.18	3.14	4.8	20.93	0.00	-60
1155	21.51		150	7.15	3.66	1.6	19.57	0.00	-59
1200	21.51		150	7.13	3.75	0.0	19.40	0.00	-57
1203	21.51		150	7.14	3.75	0.0	19.36	0.00	-57
1206	21.51		150	7.13	3.77	0.0	19.31	0.00	-55

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep

Comments/Observations/Weather Conditions: Sunny, mid-high 70's, breeze from South w/ gusts
Stability Reached: 1206

Low Flow Sampling: Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of ± 0.1 pH, ±3% conductivity, ±10% temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

GROUND WATER SAMPLING
FIELD DATA FORM

Site: Genuine Parts
Location: Indianapolis, IN
Job #: 2125641D

Well #: MW-175D
Sample I.D. #: MW-175D
Sample Time: 1435
Sample Date: 9-13-11

Personnel Present During Sampling:
Chris Ferguson, ENVIRON

Well/Purging Information:

Purging method: _____
Sampling method: Low-Flow
Tubing material: _____
Screen Length: _____ ft.
Top of well screen; _____ ft. below measuring point
Pump intake set at: _____ ft. below measuring point
Casing radius: _____ in.
Well material: PVC / #316 SS / Galv. Steel
Other: _____

1) Well depth (from top of measuring point) (1) _____ (ft)
2) Depth to water prior to purging (2) _____ (ft)
3) Length of water column in well: #1 - #2 = (3) _____ (ft)
4) Volume of water standing in well (4) _____ (gal)
multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.
(Required for well volume purging approach only)
5) Number of purge volumes required (5) _____
6) Maximum volume to be purged: #4 x #5 = (6) _____ (gal)

Bladder Pump Controller Settings (if used): Recharge time: -- (sec) Pressure: -- (psi)
Discharge time: -- (sec) Cycles per minute: --

Stabilization:

Time	Depth to Water (ft)	Volume Pumped (_____)	Pumping Rate (_____)	pH	Conductance (_____)	Turbidity (NTU)	Temp (°C)	DO (mg/L)	ORP (mV)
1315	22.09	—	200	—	—	—	—	—	—
1350	22.11		200	7.55	0.963	85.3	15.58	0.0	-120
1355	22.11		200	7.58	0.961	33.9	15.47	0.0	-126
14 1300 (time)	22.11		200	7.56	0.962	25.4	15.46	0.0	-125
1405	22.11		200	7.54	0.962	23.5	15.48	0.0	-125
1410	22.11		200	7.55	0.964	19.7	15.35	0.0	-128
1415	22.11		200	7.57	0.964	13.0	15.33	0.0	-131
1420	22.11		200	7.57	0.964	9.8	15.39	0.0	-130
1425	22.11		200	7.56	0.964	9.4	15.32	0.0	-131
1430	22.11		200	7.57	0.964	9.1	15.36	0.0	-131

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	120 mL	40ml VOA	3	HCl

Comments/Observations/Weather Conditions: Sunny, mid 60's, wind 5-10mph from South
Stability Reached 1430

Low Flow Sampling: Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of ± 0.1 pH, ±3% conductivity, ±10% temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.

GROUND WATER SAMPLING
FIELD DATA FORM

Site: Genuine Parts
Location: Indianapolis, IN
Job #: 2125641D

Well #: MW-1755
Sample I.D. #: MW-1755
Sample Time: 1555
Sample Date: 9-13-11

Personnel Present During Sampling:
Chris Ferguson, ENVIRON

Well/Purging Information:

Purging method: _____
Sampling method: Low-Flow
Tubing material: _____
Screen Length: _____ ft.
Top of well screen; _____ ft. below measuring point
Pump intake set at: _____ ft. below measuring point
Casing radius: _____ in.
Well material: PVC / #316 SS / Galv. Steel
Other: _____

1) Well depth (from top of measuring point) (1) _____ (ft)
2) Depth to water prior to purging (2) 22.15 (ft)
3) Length of water column in well: #1 - #2 = (3) _____ (ft)
4) Volume of water standing in well (4) _____ (gal)
multiply #3 by 0.1632 for 2" ID and 0.0408 for 1" ID wells.
(Required for well volume purging approach only)
5) Number of purge volumes required (5) _____
6) Maximum volume to be purged: #4 x #5 = (6) _____ (gal)

Bladder Pump Controller Settings (if used): Recharge time: -- (sec) Discharge time: -- (sec) Pressure: -- (psi) Cycles per minute: --

Stabilization:

Time	Depth to Water (ft)	Volume Pumped (_____)	Pumping Rate (_____)	pH	Conductance (_____)	Turbidity (NTU)	Temp (°C)	DO (mg/L)	ORP (mV)
1455	22.23	—	150	—	—	—	—	—	—
1530 conf 1534	22.22		150	7.11	1.37	5.8	20.49	0.0	-8
1535	22.23		150	>.11	1.42	9.6	20.36	0.0	2
1540	22.23		150	>.10	1.45	8.7	conf 20.75	0.0	7
1545	22.23		150	>.09	1.47	8.2	19.46	0.0	14
1550	22.22		150	>.11	1.47	8.3	19.59	0.0	13

Sample Parameter	Sample Volume	Bottle Type	Number of Bottles	Preservation/Prep
VOC	conf 360 ~~720~~ mL *	40mL VOA	conf 3 9 *	HCl

Comments/Observations/Weather Conditions: Stability Reached @ 1550 Sunny, Mid 80's, Breeze from South

* MS/MSD collected

Low Flow Sampling: Well purge flow rate of approximately 0.5L/min or less. Collect in-line water quality measurements and depth to water measurements every 3 to 5 minutes. If excessive drawdown (>0.5 ft.), reduce purge rate (0.2 L/min). Stabilization with three successive readings of ± 0.1 pH, ±3% conductivity, ±10% temperature, turbidity, and DO. Disconnect in-line water quality meter prior to sampling.